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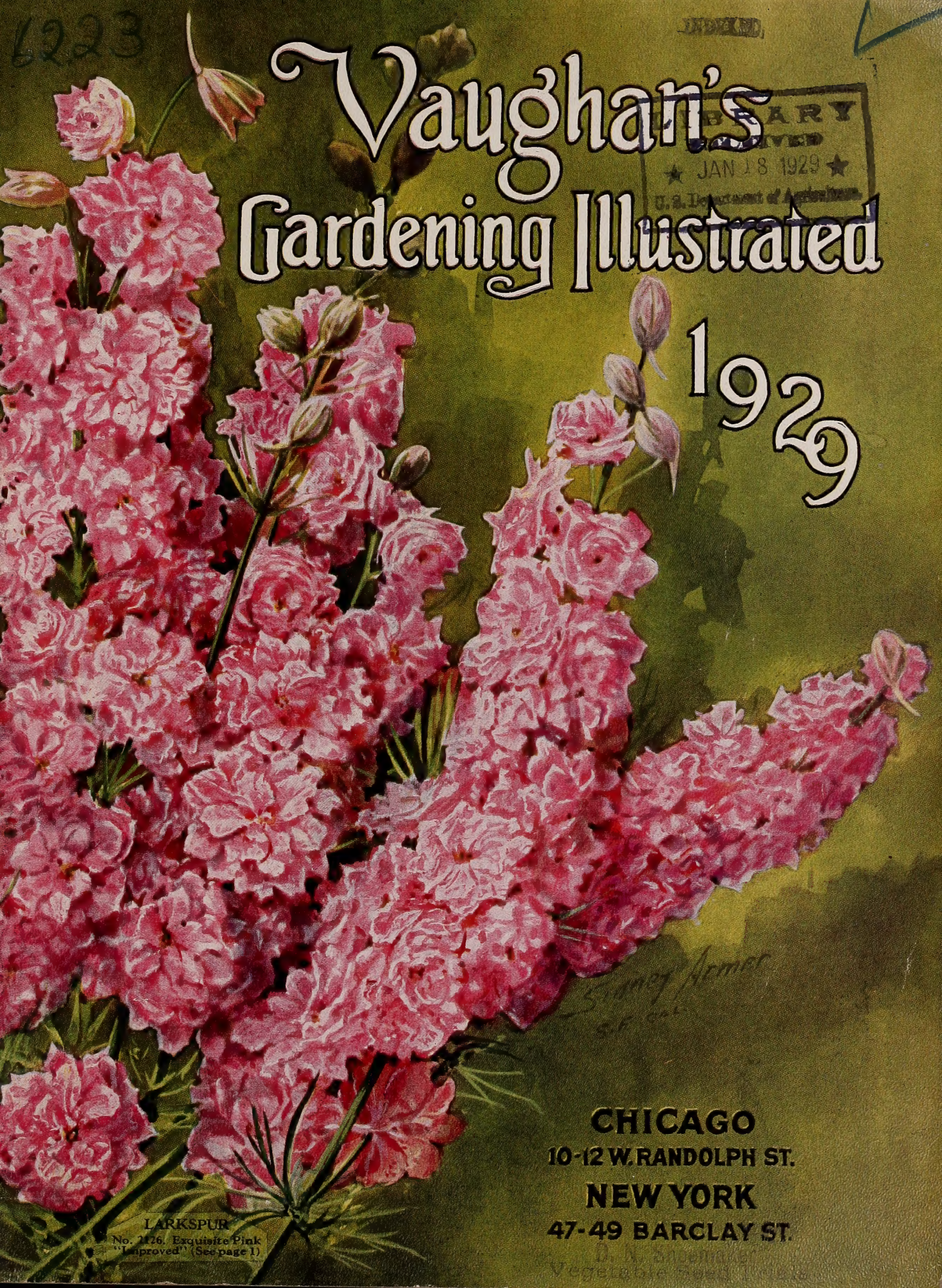
INDEXED

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# Vaughan's Gardening Illustrated

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U.S. Department of Agriculture

# 1929



LARKSPUR  
No. 2126. Exquisite Pink  
"Improved" (See page 1)

**CHICAGO**  
10-12 W. RANDOLPH ST.  
**NEW YORK**  
47-49 BARCLAY ST.

Dr. W. S. ...  
Vegetable ...





**E**XPERIENCED gardeners soon learn that cheap grass seed is no bargain. Timothy, a coarse hay seed, quick to germinate, but ruinous to fine lawns, composes the bulk of cheap mixtures. Our standard blends for permanent lawns cover twice the area cheap seeds will. Sow 1 lb. per 300 square feet for new lawns, half that for repairs. "How to make a lawn," enclosed with each carton, tells all about lawn making.

### Vaughan's "Chicago Parks" Lawn Seed—The Standard Lawn Mixture

This mixture is composed of heavy, re-cleaned seed, blended according to the formula proved in our 50 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Re-cleaned Kentucky blue grass and red top form the bulk of this mixture, to which is added white clover in the correct proportion. Our mixture produces a lawn that will endure, Price,  $\frac{1}{2}$  lb., 25c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.50; 100 lbs., \$40.00.

### Vaughan's "Columbian"

For Shady Lawns or Sandy Soil

On sandy soil or in light shade, conditions are met with when making a lawn which require the use of a special grass seed mixture. Vaughan's "Columbian" is the correct mixture for such locations.

$\frac{1}{2}$  lb., 25c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.50; 100 lbs., \$40.00.

### Vaughan's Dense Shade Mixture

Composed of grasses most suited for growing in heavily shaded situations.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00; 25 lbs., \$17.25; 50 lbs., \$33.00; 100 lbs., \$65.00.

### Vaughan's "Quick Show" Grass Mixture

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., 3.75; 25 lbs., \$8.50; 100 lbs., \$32.50.

### Vaughan's Homegrounds Mixture

An inexpensive, temporary lawn grass, recommended for hard use where annual reseeded is necessary.

Price,  $\frac{1}{2}$  lb., 15c; lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., \$1.15; 10 lbs., \$2.20; 25 lbs., \$5.25; 100 lbs., \$20.00.

### Vaughan's Special Grass Mixture "Private Estate"

This contains a large proportion of the more expensive grasses, like the Bent Grasses, Cheiving's Fescue, etc., also extra heavy Kentucky Blue Grass.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00; 25 lbs., \$17.25; 50 lbs., \$33.00; 100 lbs., \$65.00.

### White Clover

Extra fancy seed. Price,  $\frac{1}{2}$  lb., 20c;  $\frac{1}{4}$  lb., 40c; 1 lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.60; 10 lbs., \$7.00. Prepaid to 300 miles.

### Fancy Kentucky Blue Grass (*Poa pratensis*)

EXTRA FANCY SUN CURED SEED—Specially re-cleaned and of high germination; 23 lbs. per bushel. 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.65; 5 lbs., \$2.55; 10 lbs., \$4.95; 50 lbs., \$23.50; 100 lbs., \$45.50, prepaid to 300 miles.

Fancy Seed, actual weight, 21 lbs. per bu. (The standard grade of re-cleaned blue grass.) 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.35; 10 lbs., \$4.55; 50 lbs., \$21.50; 100 lbs., \$41.50, prepaid to 300 miles.

### Red Top Grass (*Agrostis alba*)

Extra Fancy re-cleaned solid seed (32 lbs. per bu.): 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.05; 5 lbs., \$1.55; 10 lbs., \$2.90; 50 lbs., \$13.10; 100 lbs., \$24.75, prepaid to 300 miles.

Write for special prices on large quantities.

On orders under \$2.00 or beyond prepaid zone, add 5c per lb. for postage. Lawn Seed orders of \$2.00 or more prepaid to within 300 miles of Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge for C. O. D. delivery.

For special purpose grass mixtures, bent grasses and other fancy grasses, see Index.





(Use Special Order Sheet attached for PLANTS, TREES, SHRUBS, Etc.)

**47-49 Barclay Street, NEW YORK**

**601 West Jackson Blvd., CHICAGO**

Post Office \_\_\_\_\_ State \_\_\_\_\_

Street, P. O. Box  
or Rural Delivery.....

Express or Freight Office { If different }  
from P. O.

**Forward Goods by-----**  
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR  
CURRENCY UNLESS  
REGISTERED)

**Money Order** \$.....

**Draft or Check \$**.....

Postage Stamps\$.....

Cash - - - \$ .....

**Make Money Orders or Checks  
Payable to Vaughan's Seed Store**

**More order blanks will be sent upon request. Always write letters on a separate sheet from your order.**

**See Page 120 for our SPECIAL PREPAID OFFER, also Table of PARCEL POST RATES to different zones.**

**Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.**

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge.

VAUGHAN'S SEED STORE (Incorporated).

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

[illegible]

**If by mail, and PREPAID OFFER on page 120 does not apply, add postage for your Zone.**

(Over)



DOMESTIC PARCEL POST RATES		First Pound or Fraction	Each Additional Pound or Fraction	Total Weight,
On Seeds, Plants, Bulbs, Roots, Books, Tools, Etc., within the U. S. and Possessions.				
First Zone	Chicago or New York or 50 miles thereof	7c	1c	
Second Zone	within 50 to 150 miles of either	7c	1c	
Third Zone	within 150 to 300 miles	8c	2c	
Fourth Zone	within 300 to 600 miles	8c	4c	
Fifth Zone	within 600 to 1000 miles	9c	6c	
Sixth Zone	within 1000 to 1400 miles	10c	8c	
Seventh Zone	within 1400 to 1800 miles	12c	10c	
Eighth Zone	all over 1800 miles	13c	12c	
				Amount for Postage
				\$
Grand Total,				

Date.....Book.....Weight.....



# New Flowers for Gardens of 1929

## Improved Giant Snapdragons Show a Marvelous Advance in Size of Blossom, Height and Color

THE modern awakening to color values and combinations has not passed the gardeners by. Artists find pleasure in applying the science of color harmony to garden borders, variations of form, vivid and contrasting color are carefully planned for beautiful effect. Seeds are chosen for their special tints and "mixtures" relegated to the cutting garden, lovely as that can be in its own way.

Thanks to remarkable improvements being made by systematic breeding, annual flowers are each year acquiring more importance both in the garden and in the greenhouse. Always valuable in the garden for their midsummer blossoms, and their wide range of colors newer varieties command attention also for exceptional size, and outstanding beauty.

Especially important are the improvements which has been made in snapdragons, asters, calendulas, larkspur, petunias, sweet peas and zinnias; though to mention these few is unjust to a long list of other flowers which have made great advances.

New snapdragons often reach a height of 50 inches in the greenhouse with a flower spike 18 inches long. These are the dimensions of the variety Ceylon Court, giant clear yellow which we introduce this year. Flowers of equal calibre are also obtainable in numerous tones of pink, salmon, rose, orange and red. Such a combination of commanding size and color choice can hardly be matched by any other flower family available to gardeners of this section.

### ABUTILON □ +

- 122 **Hybridum Maximum, Giant-Flowered mixed.** It is a splendid house plant and may be grown outside as well during the summer. This variety has huge bell-shaped blossoms in many fine shades and will bloom in 6 months from seed. Pkt., 25c.

### AGERATUM □

- 196 **Blue Ball Mexicanum Nanum Compactum.** New deep, dark blue. The plant is dwarf and symmetrical in shape and when in full bloom the foliage is literally covered with small flowers giving the appearance of a closely formed blue ball. Pkt., 15c.

### ANTIRRHINUM □

- 374 **Ceylon Court Yellow.** Robust growth; foliage strong, healthy, vigorous green house variety. A beautiful canary-yellow. Spikes 10 to 14 inches; flowers closely set; one of the earliest and most productive producers, spike; strong, wiry stems. Pkt., \$2.00.
- 387 **Geneva Pink.** A charming pink, greenhouse forcing variety. Pkt., \$1.00.
- 392 **Golden Pink Queen.** A commercial variety used by florists for inside growing. An attractive color. Pkt., \$1.00.
- 394 **Helen.** This is also a greenhouse "snap" Lovely salmon in color. Pkt., \$1.00.
- 395 **Jennie Schneider.** Beautiful pink, same shade as Columbia rose. Pkt., \$1.00.
- 388 **Majestic Sunset.** Color exquisite combination of bright terra cotta above, shading gradually downward into a rosy salmon. Pkt., 25c.
- 389 **Majestic Orange King.** Coloring is an exquisite blend of shades, rich terra cotta above, the lip golden yellow merging to pure deep orange at the base. Pkt., 25c.
- 400 **Orlando.** Bronze. An odd, but popular shade. Good forcer. Pkt., \$1.00.
- 402 **Penn-Orange.** Striking tangerine orange, dark green foliage. Good keeper. Pkt., \$1.00.
- 406 **Pink Perfection.** A new perfection type, in the large-flowering, medium high group. In habit, this new type may be likened to Perfection Stocks

### ANTIRRHINUM—Continued

—the plant produces innumerable long, perfect spikes, which are perfectly balanced. The flowers are a beautiful shade of pink, described as Hermosa Pink, slightly suffused with salmon. Pkt., 25c.

- 401 **Philadelphia Pink.** One of the best pinks and most popular for growing inside for winter blooming. Pkt., 25c.
- 404a **Roman Gold.** A deep golden yellow with the lip a lighter yellow suffused with pink. The tips having a beautiful pink-copper hue. An entirely new color in snapdragons. Hard to describe; very free-flowering. Pkt., \$1.50.
- 408 **White Rock.** This is a selection made by a Kansas florist. A good forcing white of medium height. Pkt., \$1.00.

### ASTER □

**Dwarf Sunshine.** The tall variety is well and favorably known as we have listed them for several years in the colored section of our catalog. These are the same attractive shape of flower, but the plants are dwarf.

- |                              |                       |
|------------------------------|-----------------------|
| 892 <b>Flesh</b>             | 891 <b>Lilac</b>      |
| 893 <b>Dark Rose</b>         | 894 <b>Light Blue</b> |
| Each of the above, Pkt., 25c |                       |

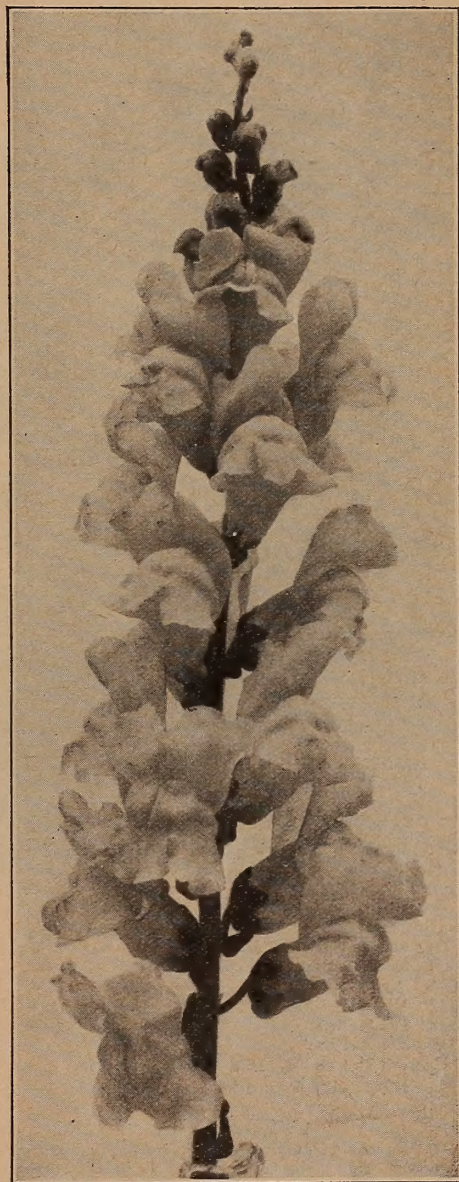
- 702 **Improved Crego Cattleya.** The flower opens up in a beautiful shade of the popular orchid color in the fluffy type. Pkt., 25c.

### CALCEOLARIA □

- 1182 **Albert Kent's Hybrids.** A very lovely variety for either greenhouse or outdoor culture. The flowers are intermediate in size and produced in large graceful clusters. The hybrids include about 10 to 12 varied color in s. Pkt., 50c.

### CALENDULA □

- 1194 **The Ball Gold** has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange. Pkt., 25c.
- 1200 **Sensation.** Long stems very double brilliant, orange flowers with a crimson or scarlet sheen. The blooms are very flat in shape. Pkt., 25c.



ANTIRRHINUM Roman Gold

### CALVARY CLOVER □

- 1249 The plants resemble clover in foliage, each leaf having a center of blood-red. The seed capsules are a ball of prickly fibre, which when unrolled resemble a miniature crown of thorns. Height 1 foot. Pkt., 15c.

### CANDYTUFT □

**Umbellata Nana.** 10 in. Dainty subjects for carpeting beds of taller plants like Lilies and Gladiolus. For a continuous supply of flower they should be sown at intervals during the season with a very late sowing just before the ground freezes up for blooming early the following spring.

- |                   |                     |
|-------------------|---------------------|
| 1291 <b>White</b> | 1294 <b>Crimson</b> |
| 1292 <b>Flesh</b> | 1295 <b>Lilac</b>   |
| 1293 <b>Blue</b>  |                     |

Each of above Pkt., 15c,

### COLEUS □

- 1863 **Large-Leaved Dwarf Mixture.** Excellent for pot culture. Lovely shades of green, yellow, white, copper and red leaves. Pkt., 35c.

### FRONT COVER OFFER

The beautiful annual larkspur illustrated on the front cover of this catalogue is:  
2126 **Larkspur. Stock Flowered Improved Exquisite.** The habit of plant is upright and not spreading as in the original form. The flowers are a delightful shade of salmon-pink. A wonderful cut-flower. Pkt., 25c; 5 pkts. for \$1.00.



# New Flowers for Gardens of 1929



NEMESIA Aurora

## CARNATION □

**Early-Flowering Perpetual.** Plants bloom in about five months from sowing and continue to bloom until the end of summer. The flowers are very double, of large size. The calyx does not split. They are borne on stiff stems 15 to 18 inches high.

Our strain will produce 90% double flowers and comes true to color.

1336 White	1340 Scarlet
1337 Yellow	1341 Maroon
1338 Rose-Pink	1342 Salmon-Rose
1339 Flesh-Pink	

Each of the above. Pkt. (100 seeds), 25c.  
1343 Mixed all colors. Pkt. (100 seeds), 25c.

## CELOSIA □

**1456 Parrot's Feather.** The plants are stocky in growth, the main stem and each branch being terminated by the most lovely plumes. The colors are truly marvelous; most of them have a silvery appearance varying from the most charming shades of silvery pink, silvery salmon to red, deep red, bright yellow and orange. Many of the plumes are terminated or crowned with cockscombs of varied and fantastic shapes, of texture like the finest velvet plush. Pkt., 25c.

## DAHLIA □ 4 ft.

We inspected the exhibition garden from which this seed was harvested last summer. Only the newest and best varieties are planted there, and many delightful new sorts may be expected from this seed. To those interested in prize winning varieties we recommend these mixtures.

- 2083 Salbach Choice Mixed. Pkt. (100 seeds), \$1.00  
2084 Salbach Selected Mixed. Pkt., (100 seeds), \$2.50.  
2056 Coltness Hybrids. A splendid new class, habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, vary in size, being nearly all three inches in diameter. The colors are most varied embracing shades of red, yellow, white and purple with many bizarre combinations. Pkt., 35c.  
2081 Selecta, Extra Double Giant-Flowered. A most beautiful mixture of the very best new double Dahlias, with flowers on stiff, erect stems. Pkt. (50 seeds), 50c.

## GAILLARDIA □

2471 **Picta Indian Chief.** A new bronzy red annual sort. Pkt., 15c.

## GILIA □

2533 **Coronopofolia Mixed (Standing Cypress).** Not a novelty in the true sense of the word, but a common old garden plant which needs publicity to bring it to the attention of garden lovers. Stems erect and unbranched. Under good cultivation reaches 6 feet high, very leafy, the divisions being needle-like about one inch long. The flowers are 1½ inches long, trumpet-shape, borne along the side of the summit of the stem. Shades of red predominate all with golden or orange throats. Good keepers. A biennial and should be planted against a green background for best effect. Pkt., 15c.

## ANNUAL LARKSPUR □

**Improved Giant Hyacinth-Flowered.** A very handsome flower which must not be confused with the old type of Hyacinth-flowered Larkspur.

The plants grow in one big spike, broad at the base and tapering to a point at the top, resembling the best of the English type of perennial Delphinium (Larkspur).

2171 Blue	2174 Purple
2172 Lilac	2175 White
2173 Pink	2176 Mixed, all colors

Each of above, Pkt., 15c

2164 **Emperor Pink Delight.** A fine new larkspur of compact growth about 24 inches high. Color same charming shade as the Larkspur Stock. Flowered Exquisite. Pkt., 25c.

**Stock-Flowered Improved Exquisite.** See front cover for illustration and first page for description and price.

2129 **Stock-Flowered La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 25c.

## MARIGOLD □

3166 **Double Dwarf French Robert Beist.** This is an attractive variety. It has been described by the originator as a dark purple, who says a well developed flower possesses an unique saturated warm shade which is new in Marigolds. Pkt., 20c.

3201 **Signata Pumila. Golden Ring.** Improvement on the ordinary Mexican Marigold. Pure golden yellow flowers. Gem for edging, blooms all summer. Pkt., 15c.

## MYOSOTIS □

3351 **Indigo-Blue Bouquet.** A compact upright grower of the pillar or column type, completely smothered with attractive flowers of dark blue. Pkt., 25c.

3352 **Pink Bouquet.** A companion to the above, only the flowers are a charming pink shade, splendid for pots or cut-flower purposes. Pkt., 25c.

## NEMESIA □

3361 **Strumosa Compacta Large-Flowering Aurora.** An interesting annual of upright growth for low borders, with striking flowers, the upper petals being dazzling turkey-red and the lower ones milk-white. Pkt., 25c.

## NICOTIANA □

3396 **Sanderae Crimson King.** The richest and deepest tint, a dark velvety crimson-red which has thus far been produced in this family. Splendid effect when planted with Nicotiana affinis or itself. Pkt., 25c.

## PANSY □

3842 **Mammoth Exhibition.** We can highly recommend this mixture. It is a sturdy grower and has a short habit and large leaves; in consequence the plant remains in good condition all summer. The flowers are round, solid, of gigantic size, and the most bewitching color range and variation. Pkt. (100 seeds), 50c.

3876 **Vaughan's Perfection Mixed.** A mixture we buy in Europe which we believe to be the cream of all Heartease. Fine plants and well-shaped flowers of fine substance in many delightful and charming colors. Pkt. (100 seeds), 50c; ½ oz., \$4.00.

For Improved Swiss Giant Mixed illustrated and described and Swiss Blue, see General List, page 63.

## SAINTPAULIA ÷

4589 **Ionantha. African Violet.** A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling those of a large single sweet-scented violet. Pkt., 30c.

## SALVIA □

4662 **Harbinger.** The plants are dwarf and compact in habit and the strong dark foliage is very effective against the vivid hue of the flowers; seeded in February will begin to flower in June and maintain a blaze of color until frost. Pkt., 35c. ½ oz., \$1.00.

## SCABIOSA □

4728 **Shasta.** A pure white of enormous size, the flowers measuring three and a half inches across with extremely long stems. Pkt., 20c.

4729 **Peachblossom.** A beautiful shade of peach-blossom pink, large size and long stems. Excellent cut-flower. Pkt., 20c.

## SCHIZANTHUS □

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Superior to anything yet offered. Pkt., 25c.

4758 **Retusus Roseus.** Large rose orchid-shaped flowers fairly covers the plant. Foliage fern-leaved. Upright growth, fine for pots. Pkt., 25c.

4759 **Retusus Rosamunde.** Delicate rose-spotted flowers. Pkt., 25c.

## VERBENA □

5744 **Erecta Compacta Mixed.** A dwarf compact plant of upright and not spreading growth in many attractive colors. Pkt., 25c.

5701a **Gigantea Etna.** Geranium-red, with a cream eye. A new shade in the gigantea type Pkt., 20c.

## WALLFLOWER

5832 **Early Forcing Annual Double.** This was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine pot-plant and if sown early will bloom first year from seed. Pkt., 25c.

## ZINNIA □

6144 **Dahlia-Flowered Gold Medal Hybrids.** A well blended mixture made by the originator of all the novelty sorts. Pkt., 25c. 5 pkts. for \$1.00. 1 oz., \$2.00.

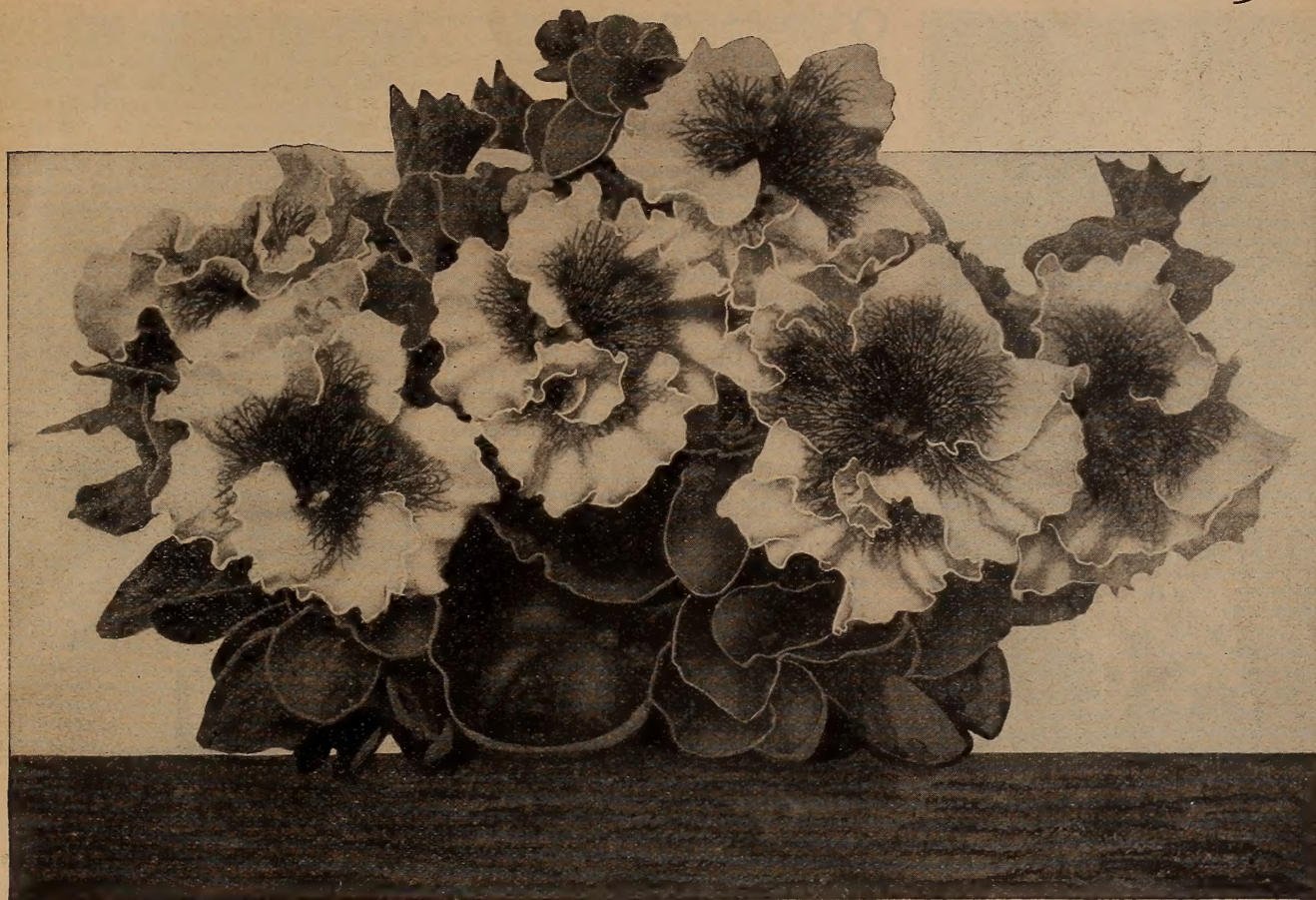
For named varieties, see page 72.



SCHIZANTHUS Retusus Roseus



# New Flowers for Gardens of 1929



PETUNIA Dwarf California Giants

## New Petunias ☐

4096 **Dwarf Large-Flowering Fringed Mixed.** Bushy plants about 12 inch high with many large flowers in great variety of color. Excellent for potting and bordering. Pkt., 50c.

4064 **Giants of California Heliotrope.** A most delightful and distinct color hitherto missing in this type. Pkt., 50c.

4062 **Grandiflora Fimbriata Theodosia**—Large-flowered fringed flowers of rosy pink with a clearly defined golden center with minute stripes. Pkt., 50c.

4071 **Grandiflora, Copper-Rose.** Enormous flowers of wonderful color with a dark throat, deeply veined—a shade that attracts and holds your attention. The substance of the petals is

firm with a velvety surface. Free-flowering, but shy seeder. Pkt., 50c.

4066 **Grandiflora, Dwarf California Giants.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissima type. See illustration above. Very fine range of color. Pkt., 50c.

4069 **Ruffled Giants.** The charm of these are difficult to describe. There are so many bewitching shades of color in the gigantic ruffled flowers it is a continual joy to see the flowers unfold and develop. Pkt., 50c.

4068 **Grandiflora Fimbriata Miranda.** Deep carmine, scarlet throat, boldly waved and frilled, the best brilliant red Petunia. Pkt., 50c.

4081 **Grandiflora Superbissima King Alphonso.** Very dark crimson, black throated, boldly waved and fringed petals. Pkt., 50c.

3948 **Double Dwarf Large-Flowering Fringed Mixed.** Flowers nicely frilled, very large and quite double in a fine range of colors on splendid compact plants. Pkt., 50c.

3947 **Grandiflora Fimbriata Fl. Pl. Violacea.** Double Royal Purple. Very fine new double variety. A very unusual shade. Pkt., 75c.

3953 **Nana Compacta Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a gardenia in shape. Pkt., 50c.

## Sweet Peas ☐

### Early-Flowering Spencer.

5348 **Ball's Blue.** Clear blue, good bloomer. Pkt., 15c.

5349 **Ball's Rose.** A bright dark rose with amber flush. Pkt., 15c.

5351 **Bright Light.** Color is a flaming scarlet self. Pkt., 15c.

5350 **Blue Boy.** Largest and clearest blue. Pkt., 15c.

5396 **Duplex Spencer.** Beautiful rose-pink duplexed flower. Pkt., 25c.

5416 **Giant Rose.** A giant rose-pink. Pkt., 15c.

5451 **Illumination.** Salmon-cerise. Pkt., 15c.

5452 **Imperial Pink.** Clear pink, enormous size. Pkt., 15c.

5489 **Morse's Superior Pink.** Beautiful clear rose pink, very slightly shaded with salmon. Pkt., 15c.

5488 **Mrs. Calvin Coolidge.** Salmony pink. Pkt., 15c.

5538 **Spring Song.** Flowers rich bright rose-pink flushed salmon. Pkt., 15c.

5565 **White Harmony.** The best black seeded white variety. Pkt., 15c.

### Late-Flowering Spencer

5064 **Fluffy Ruffles. A Giant Summer-Flowering Variety.** A great big flower; vigorous and free-blooming—the first of the Duplexed Sweet Peas. A new type, duplexed and frilled, with long stemmed, well-proportioned sprays of four almost globular flowers. A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade that must be seen to be appreciated. A flower of exquisite texture and sweet fragrance. Pkt., 15c.

## VIOLA CORNUTA

5817 **Jersey Gem.** Forms a large, compact plant, producing a continuous profusion of bloom for a very long period. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint, and may be relied upon to come about 70% true from seed. A great feature of this fine variety is its wonderful power of resisting drought, the plants continuing to throw up flowers long after other varieties are withered up. Pkt., 25c.

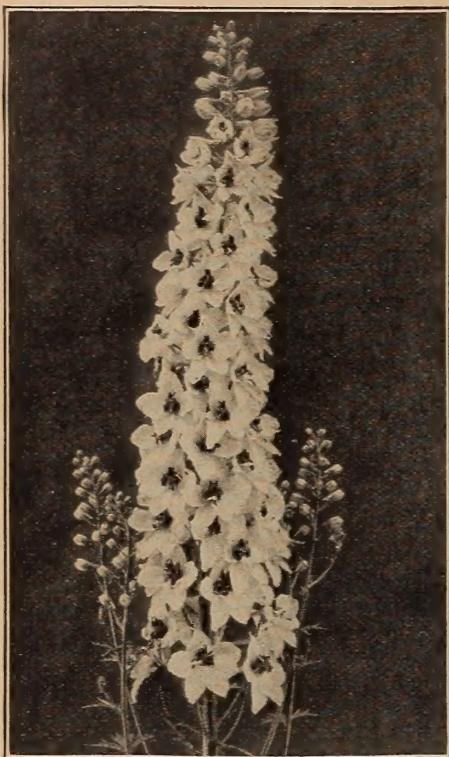
5816 **"Puck."** A most distinctive and striking novelty. The two upper petals are a velvety deep purple-violet and the three lower clear yellow. This like other Violas blooms nearly the entire summer. Pkt., 30c; 3 for 75c.

5852+G. **Wermig.** The flowers of this hardy Viola are exactly like a very large single violet with a long stem, and it is practically ever-blooming. It does well in partial shade. Is also well fitted as a rock plant and bordering. Pkt., 35c.

8583+Alba **White Wermig.** A white form of the above. Pkt., 35c.



# New and Rare Perennial Flower Seeds



DELPHINIUM Blackmore and Langdon Strain

## ALYSSUM

7058 *Rostratum*. 20 inches. Flowers deep yellow in dense heads which fairly cover the plant in summer. Leaves 2 inches long, broad and oblong pointed and hairy. Pkt., 25c.

## ANCHUSA

7073 *Myosotidiflora*. A distinct, dwarf perennial variety from Russia, with clusters of charming blue flowers, resembling forget-me-nots. As effective as a rock plant. Pkt., 50c.

## AQUILEGIA

7159 *Long-spurred Rose and Scarlet Shades*. A very attractive selection and well worth trying. Pkt., 25c.

7151 *Dobbie's Imperial Hybrids*. A very fine assortment made by a European hybridizer which will be sure to charm you by its dainty beauty. Pkt., 25c.

For Mrs. Scott Elliott's Strain of Long-Spurred Hybrids, see page 74 in colored section.

7153 *Farquhar's Pink*. Beautiful pink, long spurred flowers. Pkt., 25c.

## CAMPANULA

7334 *Fragilis*. Is of prostrate trailing habit, and has large pale blue flowers. It likes a well-drained position with as little moisture as possible. Extremely free-blooming. Pkt., 25c.

## CHRYSANTHEMUM

7450 *Indicum Fl. Pl. Early-Flowering Double Chinese Varieties*. A mixture with some especially fine colors. Pkt., 35c.

7451 *Chrysanthemum Indicum Early-Flowering Single Chinese*. Attractive flowers in many charming shades. Pkt., 25c.

## COMMELINA

7480 *Coelestis*. 10 to 18 inches. Branching habit, long pointed leaves, navy-blue flowers in clusters, tuberous rooted. Pkt., 25c.

## COREOPSIS

7496 *Lanceolata Grandiflora Fl. Pl.* (Double Flowering Coreopsis). This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt., 25c.

ON these two pages will be found perennial novelties and specialties in seeds. On pages 74-75-76 we offer perennial specialties in seed in the color section and on pages 77 to 87 will be found the general list of perennials—seeds and plants. The majority of these perennials bloom the second year from seed although some like *Coreopsis* and *Gaillardia*, if sown early bloom the first year. Our experience is, the earlier in the season you sow perennial seeds, the more successful you will be as the seedlings will be a better size to winter over more successfully. Make a seed bed where the amount of light and water can be controlled. Sow seed at the latest, the end of July—May and June are better months. Transplant when large enough to rows in the garden and in the fall reset in permanent location where they are to flower the following year. Perennials should be placed in clumps of three or five plants and should be left undisturbed for several years.

## SHASTA DAISY

7501 *Westralia*. A very fine Shasta Daisy similar to Alaska only of higher growth and blooming slightly earlier. Height three feet. Pkt., 25c.

## DELPHINIUM

7564 *Blackmore and Langdon Strain*. It was our pleasure this summer to see these in bloom and it is a memory-picture we would like to reproduce, but words are inadequate. They had a dignity peculiarly their own—tall, graceful spikes of bloom, covered from top to bottom with captivating blooms in charming color combinations. All the clear shades of blue with many delightful opaline variations. Some made one think of the inside of sea-shells, all with bees of contrasting colors. Pkt., 50c; large pkt., \$1.00.

7562 *Vanderbilt Hybrids*. A Californian novelty of charming beauty. Immense flower stalks with great heads of bloom tapering to the tip. Nearly all flowers open at once and exhibit the greatest combination of colors known. Pkt., 35c.

7569 *Wrexham Strain (Hollyhock Delphinium)*. A new race with spire-like spikes. The chief distinguishing features of the "Hollyhock" Delphiniums are: the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period—many varieties bloom well into August, their resemblance to Hollyhocks. The seed we offer was grown from the introducers stock seed and is as true to type as is obtainable. Pkt., 50c.

## XXX Hybrids Separate Colors.

One of our growers who is a specialist in the culture of Delphinium seed has been at work on an improved strain of this and has segregated different colors into various shades which we are glad to offer as follows:

7556 XXX Light Blue Shades. Pkt., 25c.

7557 XXX Dark Blue Shades. Pkt., 25c.

7558 XXX Mid-Blue Shades. Pkt., 25c.

7559 XXX Pastel Shades. Pkt., 25c.

7568 *Double Selecta*. Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

For other Delphinium see page 75 in colored section.

## DIANTHUS

7587 *Best Rock Garden Varieties, Mixed*. Rock gardens now so popular need these low growing dianthus to brighten spots and fill in crevices with their attractive flowers. Pkt., 25c.



COREOPSIS, Double-Flowering



GAILLARDIA—Grandiflora Dazzler

## ERYSIMUM

7794 *+Pulchellum (Fairy Wallflower)*. A new dwarf species, forming close mats of dark green later eclipsed with yellow bloom. Sandy soil. Pkt., 15c.

## EUPHORBIA

7806 *+Polychroma*. 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with *Geum Lady Stratheden*. Grows into fine compact bush. Little known but very desirable. Pkt., 25c.

## GAILLARDIA—Grandiflora

7811 *Dazzler*. Large flowers up to 5 inches across, bright golden yellow with rich maroon red center, fine for cutting. Pkt., 25c.

7836 *Portola Hybrids*. The plant is of strong, vigorous, erect habit of growth, from 2½ to 3 ft. high; the stems are strong, and stiff, holding the flowers erect; these are of large size, nearly 4 in. in diameter, the petals being very broad and overlapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Comes about 50% true from seed. Pkt., 25c.

7829 *Sibylla*. Flowers large, vivid carmine, tipped white, with dark crimson center. Pkt., 25c.

7831 *Tangerine*. Compact grower, large, soft orange colored flowers resembling the color of the tangerine orange. An absolutely distinct color. Pkt., 25c.

## GALEGA (Goat's Rue)

Herbaceous perennials belonging to the Pea order. They have pretty, pinnate foliage, and Pea-shaped flowers borne in racemes throughout the summer. The latter are of great value for cutting purposes.

7839 *Hartlandi*. 4½ ft. June-Aug. Long racemes of beautiful lilac, pea-shaped blossoms. Pkt., 25c.

## GEUM

7851 *Boresii*. Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c.

7852 *+Lady Stratheden (Golden Ball)*. Flowers loosely double, a delightful shade of golden yellow. Cut blooms of this with sprays of *Euphorbia Polychroma* make a charming cut flower combination. Pkt., 35c.

## GYPSOPHILA

7861 *Manginii*. Tall perennial variety with rosy-white flowers. Pkt., 15c.



# New and Rare Perennial Flower Seeds



**LILIUM REGALE** The Regal Lily

## HOLLYHOCK

8006 **Alameda Pink**. A beautiful new strain of varying light pink shades of semi-double, crinkly type usually called "Alleghany." The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are very large, quite  $4\frac{1}{2}$  inches across, and attractive. Blooms first year if sown early. Pkt., 25c.

8004 **Lilac Beauty**. Double. A clear bright lilac color. A new shade. Pkt., 25c.

8003 **Queen of Sheba**. Double. New, beautiful primrose buff with rosy reflection. Pkt., 25c.

## LILIUM REGALE

8117 **The Regal Lily**. It is absolutely hardy, and is excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy, oppressive odor of most lilies. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Lift the bulblets in fall and replant to greater depth in their permanent location. Pkt. (100 seeds), 25c. For bulbs see bulb pages

## LINARIA (Toad Flax)

8121 **Dalmatica Macedonica**. The dainty flowers resemble those of snapdragon bright yellow with orange lip. Pkt., 25c.

## LUNARIA

8150 **Annua (Biennis)** (Honesty of St. Peter's Penny). Flowers purple, followed by silvery seed pods, prized for winter decoration. Biennial, but readily self-sows. Pkt., 10c.

8155 **Alba**. Pure white. Pkt., 10c.

## LUPINUS

8167 **Arms of Eukhuizen**. A new perennial variety with dainty white flowers suffused with creamy pink. Pkt., 35c.

## MECONOPSIS

8222 **Bailey**. The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendant flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. Pkt., 50c.

## MYOSOTIS (Forget-Me-Not) 4 to 9 In.

8249 **Isolde Krotz**. Plant of compact habit, robust growth, flowers large true forget-me-not blue. Splendid for pots and spring bedding. Pkt., 25c.

## PAPAYER (Poppy)

8289 **Nudicaule Coonara Pink**. A charming, warm rose-pink, faintly suffused with salmon-pink combining the pink and salmon shadings in wonderful delicacy. The plants are more vigorous than is usual in Iceland Poppies, and the flowers are much more freely produced on long, slender stems throughout the season. They will keep well if cut in bud and the end of stems seared for a moment. If sown in the hotbed in March or April, plants will bloom the same year. Pkt., 35c.

## PENTSTEMON (Beard Tongue)

8318 **Grandiflorus**. 2 to 3 ft. While this is a fairly common native plant in some sections and by no means new to cultivation, it seems so attractive that it deserves to be featured. The long spikes of dainty lavender-blue are unlike anything else in the garden. The flowers are at their best in late May and June. Beautiful and lasting as a cut flower. It likes an open, sunny place and seems to do well on clay or lighter soil. Pkt., 35c.

## PHYSALIS

8345 **Franchetti (Chinese Lantern Plant)**.  $1\frac{1}{2}$  ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. Pkt., 10c.

## PRIMULA (Primrose)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

8404 + **Beesiana**. A new, hardy primrose with brilliant velvety purple flowers with a large yellow eye, very rich coloring. Pkt., 35c.

8405 + **Bullesiana Hybrida**. New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.

8410—**Japonica**. Mrs. Scott Elliott's Special Strain. A very fine selection made by Mrs. Elliott. Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. Seeds from the originator. The flowers appear in whorls two or more on a stem. Pkt. 25c.



**SCABIOSA Caucasica**, House's New Hybrids

## SCABIOSA

8493 **Columbaria Rosea**. Flowers measure 2 to  $2\frac{1}{2}$  in. across—very freely produced of a beautiful shape somewhat smaller than Scabiosa Caucasica of a deep rosy mauve almost a rose in fact, which is an unusual shade in perennials. The deeply lacinated foliage adds to the beauty of the plant. Pkt., 25c.

8492 **Caucasica, House's New Giant Strain**. A new strain of this handsome border plant, flowers very large and of beautiful form ranging in color from light azure-blue and lavender to deep blue and silvery white. Pkt., 25c.

## VIOLA

8581 + **Bosniaca**. Free-blooming, small deep purple flowers. Pkt., 25c.

8584A + **Florariense**. This variety forms large compact plants producing a continuous profusion of bloom for a long period, considerably longer than other Violas. The flowers are a very pleasing shade of pale lavender. The plants continue to throw up flowers long after other varieties are withered up. Splendid rock garden plant. Pkt., 35c.

8584 + **Gracilis Lord Nelson**. Glowing violet-purple 6 in. April-August. Pkt., 35c.



**LINARIA Dalmatica Macedonica**

## PYRETHRUM

8437 **Roseum Comet Flowered Ostrich Feather**. Single and semi-double flowers with rolled and twisted petals. Pkt., 35c.

8436 **Roseum James Kelwayi**. A rich velvety blood-red. Pkt., 25c.

## SAXIFRAGA (Megasea)

The Saxifrages are one of the largest and one of most important genus of plants, connected with Alpine gardening.

8487A + **Cordifolia**. Light pink. Pkt., 35c.

8487 + **Cordifolia Splendens**. 2 ft. Useful little plant for rock garden. Bright rose-pink. Pkt., 35c.

8486 + **Decipiens Grandiflora**. Masses of white flowers. 18 in. Pkt., 35c.

8488A + **Hypnoides**. Dove-dale Moss or Eve's Cushion. White trailing. Pkt., 35c.

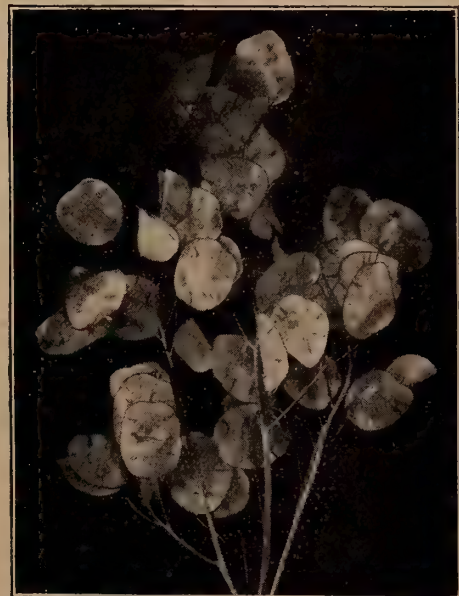
8488 + **Lingulata Leichtlini**. 30 inches. Bright red rock garden subject. Pkt., 50c.

8489 + **Rhei superba**. Rose. 12 in. May-July. Pkt., 35c.

## TROLLIUS (Globe Flower)

Desirable free-flowering plants, producing their giant buttercup-like blossoms on stems 1-2 feet high, from May until August; succeed admirably in the border in a half-shady position in well-drained, preferably light soil.

8554 **Europaeus Ledebouri**. Large orange-yellow flowers. Blooms until end of June. Pkt., 25c.



**LUNARIA (Honesty or Peter's Penny)**





# Little-Known Annual Flowers

They Will Add Interest to Your Garden Borders

## 171 ADONIS AUTUMNALIS (Red Chamomile), 2 ft.

It is a plant of somewhat straggly growth and with finely divided foliage. The flowers are of a rich scarlet or crimson color and borne freely throughout the summer and early autumn months. Requires to be sown where the plants are intended to grow, as the seedlings cannot be transplanted. Grow in ordinary soil in groups in sunny borders. Pkt., 10c.

## 197 AGERATUM VENUS

Forms a dense bush about one foot high which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red. A plant in full bloom is very charming. Pkt., 25c.

## 235 AGROSTIS NEBULOSA (Cloud Grass), 18 in.

Elegant and graceful flowering grass, the inflorescence of which is specially suitable for mixing with cut flowers or for cutting, drying, and preserving for winter use. For winter decoration cut the inflorescence directly it is fully developed, tie it in small bunches and suspend these head downwards in an airy room until quite dry. Pkt., 10c.

## 307 ANAGALLIS GRANDIFLORA (Pimpernel)

A genus of pretty blue-flowered annuals. They belong to the Primula order. Is a species of neat, compact habit, growing about 4 to 6 inches high and bearing bright blue flowers freely from June to September. Pkt., 15c.

## 450 ARCTOTIS GRANDIS Blue-eyed African Daisy

It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pure white with a gold band surrounding a pale mauve or blue center. It is not only pleasing when open, but also when it closes at evening and displays its lilac tinted undersides. Foliage gray-green. Especially good cut flower. Pkt., 10c.

## 490 ASPERULA AZUREA SETOSA (Blue Woodruff)

Is a daintily flowered Syrian annual, growing 8 to 12 in. high and bearing sky-blue flowers in terminal clusters from June to August. It is a profuse bloomer and possesses a delicious perfume. The flowers make very dainty button-holes. May be grown as an edging to narrow borders, in masses on the margins of borders, or in small beds. Ordinary soil and a sunny position will suit its requirements. Pkt., 15c.

## 993 ATRIPLEX HORTENSIS RUBRA (Red Orache)

Is a most attractive annual for growing in the mixed border in summer. It has deep red and purple foliage, grows 3 to 4 ft. high, and forms a handsome plant grown singly or in groups. Ordinary soil. Belongs to the Spinach order. Pkt., 25c.

## 1143 BRACHYCOME BLUE (Swan River Daisy), 12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty daisy-like flowers, suitable for edgings, small beds or pot culture. Pkt., 10c.

## 1150 BRIZA MAXIMA (Quaking Grass)

A genus of hardy ornamental flowering grasses, the inflorescence of which is suitable for drying for winter decoration. These grasses also have an extremely pretty appearance, when grown in patches on the rockery, or on the margins of borders. Pkt., 10c.

## 1153 BROMUS BRIZAEFORMIS (Broom Grass)

Is a species of grass with a graceful inflorescence, suitable for mixing with cut flowers in summer or for cutting and drying as advised for Briza, for winter decorations. A native of the Caucasus and growing 2 ft. high. Should be sown early in March in ordinary soil in a sunny border. Pkt., 10c.

## 1171 CACALIA SCARLET

Is a brilliant flowered annual of Indian origin. It grows about 18 inches high and produces scarlet tassel-like flowers freely from July onwards to late autumn. Suitable for a warm sunny border. Requires a moderately rich soil. Belongs to the Daisy order. Pkt., 10c.

## 1790 CLARKIA VAUGHAN'S SPECIAL MIXTURE

Clarkias may truly be described as the most charming of all hardy annuals for the decoration of beds and borders in the garden. Their colors are so dainty, refined and pleasing. They are of comparatively easy cultivation, too in any good ordinary rich garden soil. Overcrowding must be avoided to ensure good results, so thin out the seedlings early to six inches or a foot apart, in order that each plant may develop into a bushy specimen. The varieties of the elegans type may be pinched back when six inches high to cause them to form lateral branches and grow into compact specimens. Pkt., 10c.

## 1850 COIX LACHRYMAE (Job's Tears)

Is an annual flowering grass the chief attraction of which is its fairly large pearly seeds which are said to resemble the tears of the immortal Job of Holy Writ. These are borne in clusters on the ends of the flowering shoots. The plants grow 2 to 3 feet high and produce their inflorescence in summer. Grow in ordinary soil in sunny borders. Oz., 10c.

## 1870 COLLINSIA MIXED, 1 foot

A genus of Californian and Mexican annuals of some considerable beauty, belonging to the Snapdragon order. They bloom from May to July. Grow in groups in good ordinary soil in sunny borders or in small beds. Pkt., 10c.



# Little-Known Annual Flowers

## 1871 COLLOMIA COCCINEA

Is a dwarf, neat growing species with bright red flowers, borne in terminal heads on branching stems from June to October. Height 12 to 18 inches. Usually flowers in about two months after sowing. Grow in good rich soil in a sunny border. A native of Chili. Pkt., 10c.

## 2355 DRACOCEPHALUM MOLDAVICUM

(Dragon's-Head), 18 inches

It is a native of Siberia, has lace-shaped crenulate leaves, and bluish violet flowers borne in long nodding racemes from July to October. Possesses a rather strong agreeable perfume. Succeeds in good ordinary soil and requires to be grown about a foot apart. Belongs to the Lavender order. Pkt., 10c.

## 2357 ECHIU PLANTAGINEUM

(Bugloss)

Dark bluish purple flowers produced in spreading cymes on branched stems from July to August. Grows one foot high. Natives of southern Europe and members of the Forget-Me-Not order. Will succeed in good ordinary soil in sunny borders. Pkt., 10c.

## 2359 ERAGROSTIS ELEGANS

(Love Grass)

A genus of beautiful flowering grasses, the inflorescence of white which, if cut and dried as advised for the genus Briza, is suitable for use for winter decoration. Grow in ordinary soil in sunny beds or borders. Pkt., 10c.

## 2361 ERYSIMUM PEROFSKIANUM

(Annual Wallflower), 12 to 18 inches

A particularly attractive annual for growing in masses in beds or in borders. It is a native of the Caucasus, bears brilliant reddish-orange flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt., 10c.

## 2428 EUCHARIDIUM GRANDIFLORUM

Is also of tufted growth, has deep rosy purple flowers and grows about a foot high. Suitable for massing in borders. Ordinary good soil. A genus of Californian annuals belonging to the Evening Primrose order. Pkt., 10c.

## 2531 GLIA TRICOLOR

(Bird's Eye), 7 to 12 inches high

Flowers pale lilac, yellow toward the center with five purple spots. Charming combination of colors. Blooms during June and July. Require to be grown in light rich soil and a sunny position. They show to the best advantage when grown in masses. Pkt., 15c.

## 2848 HORDEUM JUBATUM

(Squirrel's Tail Grass)

Is an annual grass which grows about 2 feet high and produces graceful spikes of inflorescence furnished with feathery bristles somewhat like the tail of a squirrel. Should be grown in ordinary soil in groups or rows in sunny borders. Pkt., 15c.

## 2890 IONOPSIDIUM ACAULE

(Violet Grass)

A charming neat habited plant not exceeding two inches in height. The flowers are lilac and white, honey-scented and borne freely during summer and autumn. Succeeds best in good rich soil in shady position on the rockery, or the margin of borders. Pkt., 10c.

## 2970 KAULFUSSIA AMELLOIDES

6 to 12 inches

An excellent annual of easy culture with aster-like flowers. Pkt., 10c.

## 2972 LAGURUS OVATUS

(Hare's Tail Grass)

Is a species of flowering grass from the Channel Islands. The plant grows 8 to 12 inches high—has somewhat broad leaves and a dense hairy inflorescence resembling a Hare's tail. Will grow in ordinary soil. Pkt., 15c.

## LAVATERA

(Annual Tree Mallow)

Very pretty and attractive are the varieties of *L. trimestriata*, a native of the Mediterranean region. The species bear large rose-purple flowers averaging 2 to 3 inches in diameter, from July to October. *Alba splendens* is a lovely white variety; and *rosea splendens*, a rosy pink. Both grow about 3 feet high and form handsome specimens if allowed ample room. The plants should not be less than 18 inches apart. Ordinary rich soil and a sunny position will suit their requirements. A member of the Mallow order.

## 2985 LAVATERA SPLENDENS ALBA

Very large, silky, pure white flowers. Pkt., 10c.

## 2990 LAVATERA SPLENDENS ROSEA

Very large, bright rose flowers. Pkt., 10c.

## 2995 LAYIA ELEGANS

Californian annuals belonging to the Daisy order. A graceful species, with hairy glaucous foliage, has fairly large yellow and white flowers, borne in summer and grows about 12 to 18 inches high. Succeed in light or sandy soil containing plenty of decayed cow manure, and in a sunny position. Should be grown in groups. Pkt., 10c.

## 3010 LEPTOSYNE STILLMANII

Rather graceful annuals with finely cut foliage and Coreopsis-like flowers, natives of California and belonging to the Daisy order. It bears golden yellow flowers about 1½ inches in diameter at the ends of the shoots during the summer. It grows a foot high and is a decidedly graceful and attractive plant. Grows in ordinary soil in masses in sunny borders. Pkt., 10c.

## 3016 LIMNANTHES DOUGLASII

Is a very showy Californian species bearing white and yellow fragrant flowers in profusion from June to August. It is of dwarf habit not exceeding 6 inches in height and makes a most attractive display when grown in masses in beds, or as edgings to borders. Bees are very partial to its flowers. Does best in rich, moist soil in partially shaded positions. Belongs to the Geranium order. Pkt., 15c.

## 3017 LINARIA MAROCCANA EXCELSIOR HYBRIDS

MIXED, 1 foot.

The Linarias are plants of graceful growth, with pretty variously colored Snapdragon-like flowers. Bloom during the summer months and produce a pretty effect grown in small groups in borders or massed in beds. Ordinary soil and a sunny position. Pkt., 15c.

## 3020 LINUM GRANDIFLORUM RUBRUM

(Flax)

Slender growing annual of free-flowering habit well suited for growing in groups in borders or in masses in beds. Is a very attractive species bearing fairly large carmine-rose flowers in profusion in summer. It grows about a foot high, and is a native of Algeria. Pkt., 10c.

## NEMOPHILA

(Baby Eyes), 6 inches

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

## 3376 INSIGNIS BLUE

A popular plant for pots or borders. Pkt., 10c.

## 3926 PENTSTEMON SENSATION

(Beard Tongue), 2 feet

Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 inches across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. Pkt., 25c.

## 5645 TORENIA FOURNIERI

10 inches

Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue. With a touch of gold on the lip. In the south where it is seemingly difficult to have success with pansies these may be grown instead. They are excellent for beds, pots or hanging baskets. Pkt., 10c.

## 5815 VIRGINIAN STOCK MIXED

An annual which finds a hearty welcome in most town and suburban gardens. Of branching, dwarf habit rarely exceeding 6 inches in height. The flowers which are freely produced, are of various shades of crimson, rose, lilac, and white and if seeds are sown at intervals of a month or so from March onwards, a constant succession of blossoms will be assured from May to autumn. The flowers possess a delightful fragrance especially after a shower of rain. The Virginian Stock is suitable for massing in small beds, or as edgings to borders, and thrives in ordinary soil in sun or shade. Pkt., 10c.; ½ oz., 15c.; oz., 25c.

We are indebted for a portion of the descriptive matter on these two pages to T. W. Sanders F. L. S. book *Annual Flowers for Garden and Greenhouse* which we offer on page 47 of this catalog at \$2.15 per copy postpaid.

We also take pleasure in offering the book "Popular Hardy Perennials" by the same author which we consider the best book on this subject. It has 400 pages profusely illustrated and is sold at \$3.15 per copy postpaid.



# Water Lilies

INTEREST in water gardens is growing rapidly, and there are sound reasons for it. As the principal feature of interest in the small garden, a pool answers admirably. It can be made to harmonize with either natural or formal styles, and fits well into most designs. It will furnish a home for gold fish, and other animal life, while the bog plants and water lilies which can be grown in it have both beauty and strangeness to attract all. Garden makers are learning how easy it is to grow water plants and how richly they reward them. Complete list of water lilies, oxygenating and bog plants with directions for pool making and plant culture are given in our circular which will be mailed on request.

## Beginner's Collection of Water Plants

One each of the three beautiful day-blooming lilies described below (Rose Arey, *Mariacea Chromatella* and *Mariacea Albida*) and three water hyacinths (6 plants, value \$7.00) will be sent postpaid 300 miles from Chicago for \$5.00.

**WATER HYACINTH** (*Eichhornia Crassipes Major*.) The petioles of the plant are inflated and serve as air chambers to keep the plant afloat. In shallow water the plants will take root and flower more freely than if floating. On a stem about one foot in height it bears a loose spike of flowers, pale lavender-blue with a large blotch of deep blue and a yellow spot on the upper lobe. The bushy roots are valuable for receiving the spawn of goldfish. 3 for 50c.

**ROSE AREY.** The bright cerise flowers grow up to eight inches in diameter, very sweetly scented with pointed petals, giving effect of darker shadings near the edges. Long bright yellow stamens. Free-flowering and of strong growth. Awarded the silver medal by the New York Horticultural Society. Each, \$3.00.

**MARLIACEA CHROMATELLA.** Charming yellow flowers from four to six inches in diameter with bright yellow stamens. The leaves are beautifully mottled with bronze-red. Flowers freely and is of quick, vigorous growth and compact habit. Best yellow hardy water lily. Each, \$2.00.

**MARLIACEA ALBIDA.** A large pure white fragrant flower with yellow stamens. The sepals are tinted pink. Grows fast, blooms continuously the whole season. The leaves are large, deep green above, the underside deep red. One of the choicest. Each, \$1.50.

## Other Water Lilies

### Red

**ATTRACTION.** One of the finest of recent French introductions being the largest hardy lily in cultivation, the flowers measuring eight inches in diameter. On first opening, the flowers are garnet-red, petals tipped with rose flecked white, with almost white sepals and long yellow stamens, lightly touched with mahogany. As the flower reaches maturity, the color deepens until the flowers become dark red and the sepals streaked with garnet. The flowers are readily distinguishable on the water, being so bright and attractive. One of the two best red water lilies. Each, \$7.50.

**GLORIOSA.** A truly magnificent variety with fragrant flowers from six to seven inches across, of beautiful form, which float on the water. They are a deep carmine-rose color, becoming deep red with age, double and perfect form. The plant is very

free in flower, blooming continuously throughout the season. The fine qualities of this flower make it excellent for cut-flowers, for it continues to open for about five days when floated in a bowl. The lovely blossoms of this lily and its small leaf spread make it very desirable for tub, pool or lake planting. Each, \$5.00.

### White

**ODORATA MINOR.** Produces miniature, fragrant white flowers, from two to three inches across. This lily is much used for growing in tubs and for planting at the edges of ponds. Each, \$1.00.

### Pink

**PINK OPAL.** Exquisite deep rich pink. Flowers of interesting form with comparatively short petals carried above the water. It presents an appearance quite unique and decidedly attractive. Splendid for tubs. Excellent as a cut-flower. Each, \$2.00.



A LILY POOL IN ITS FIRST YEAR

### PINK—Continued

**ODORATA ROSEA.** Beautiful fragrant rose-pink flowers deepening to intense pink at center. Stamens yellow. Each, \$1.50.

### Orange

**COMANCHE.** Flowers are large, of a rich apricot color on opening becoming a dark coppery-orange, streaked with glowing red as the flower ages. Orange stamens. The foliage is an attractive olive-green flaked with brown. One of the best lilies of recent introduction. Prolific bloomer. Blossoms stand well above the water surface like the tropical *Nymphaea*. Each, \$5.00.

### DAY-BLOOMING TENDER LILY

**AUGUST KOCH.** Fragrant flowers, eight inches across on stems rising from eight to ten inches above the water, blooms remaining open from four to six days. The sepals are purplish lilac, the petals pale wisteria-violet and stamens yellow shading to orange, then lavender. The leaves are green on upper surface. Excellent bloomer and of extremely easy cultivation. Each, \$2.50.

### NIGHT-BLOOMING TENDER LILY

**DEVONIENSIS.** Bright rosy red flowers measuring eight to twelve inches, borne on stout stems well above the water. The stamens are cinnabar-red. Many flowers in all stages of development are visible at one time. Leaves are dark bronzy-green and measure twelve to eighteen inches in diameter. A desirable acquisition to the list of lilies. Each, \$1.25.

## Beautiful Wild Flowers and Ferns

We offer collected plants of native species, which are so highly desirable for rock gardens, bog gardens, ravine gardens, and for a suitable corner in any garden devoted to wild plants. A complete descriptive list is published separately and will be sent on request. Ask for our Wild Flower circular.

### Collection of Native Evergreens

These small, flowering evergreens demand acid soil, well-drained, and protection of rocks, leaf mold or peat mulch for their roots. They prefer shade and abundant moisture. Collection, 1 clump of each, 5 clumps, for \$1.00; 3 of each, 15 clumps, \$2.75; 12 clumps of each, 60 clumps, \$10.00.

*Coptis Trifolia* (Goldthread), white; *Mitchella Repens* (Partridge Berry), white, red berries, trailing; *Gaultheria Procumbens* (Wintergreen berry), white, red berries. *Linnaea Borealis*, variety *Americana* (Twinflower), pink. *Chimaphila Maculata* (Prince's pine), white or pale pink.

### Collections of Wild Flowers and Plants

Except where noted, the price for any single variety scheduled in the suggested plantings below is, each, 25c; 3 for 65c; 12 for \$2.00; 100 for \$12.00.

### Dry, Sunny Location

**EARLY-FLOWERING.** *Viola Pedata* (Bird-foot Violet), blue; *Lupinus Perennis* (Sun Dial), blue, prefers light, acid soil; *Phlox Subulata Alba* (Creeping Phlox), white; *Phlox Subulata Rosea*, pink.

**MIDSUMMER-FLOWERING.** *Rudbeckia Hirta* (Black-eyed Susan), yellow; *Euphorbia Corollata* (Flowering Spurge), white.

**LATE-FLOWERING.** *Liatris Scariosa* (Blazing Star), rosy-purple; *Cassia Marilandica* (Wild Senna), yellow; *Solidago Canadensis* (Goldenrod), yellow.

Price, one each of above nine varieties, 9 plants, \$1.75; 3 each, 27 plants, \$3.50; 12 each, 108 plants, \$12.00. Postpaid 300 miles.

### Damp, Sunny Location

**EARLY-FLOWERING.** *Viola Papilionacea* (Marsh Violet), purple; *Anemone Canadensis* (Canada Anemone), white; *Polemonium Reptans* (Jacob's Ladder), blue; *Mertensia Virginica* (Bluebells), blue; *Geranium Maculatum* (Cranesbill), lilac-blue; *Anemone Virginiana* (Thimble Weed), white, decorative seed.

**MIDSUMMER-FLOWERING.** *Vernonia Novboracensis* (Ironweed), purple; *Eupatorium Purpureum* (Joe-Pye Weed), lavender; *Thalictrum Polygamum* (Meadow Rue), white.

**LATE-FLOWERING.** *Lobelia Cardinalis* (Cardinal Flower), red; *Chelone Glabra* (Turtle Head), white; *Lobelia Siphylitica* (Great blue Lobelia), blue.

Price, one each of above, 12 varieties, 12 plants, \$2.75; 3 each, 36 plants, \$4.00; 12 each, 144 plants, \$18.00. Postpaid 300 miles.

### Woodland or Partial Shade

**COMBINATION 1.** *Dicentra Cucullaria* (Dutchman's Breeches), white; *Hepatica Triloba* (Liverleaf), pastel shades.

**COMBINATION 2.** *Phlox Divaricata Canadensis* (Wild Blue Phlox), lavender-blue; *Trillium Grandiflorum* (Large White Wake-robin), white. Try *Phlox* on the slope, *Trillium* toward the base of the ravine; a glorious combination.

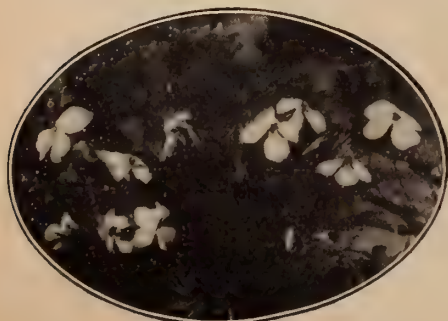
**COMBINATION 3.** *Aquilegia Canadensis* (Wild Columbine), brick-red and pale yellow; *Smilacina Racemosa* (False Solomon's Seal), creamy white. Price, one each of above 6 varieties, 6 plants, \$1.00; 3 each, 18 plants, \$2.25; 12 each, 72 plants, \$10.00. Postpaid 300 miles.

Either of the 3 collections described below postpaid 300 miles for \$1.50.

**COLLECTION 801—3 PLANTS.** For moist, neutral, acid or alkaline soil: *Viola Cucullata* (Meadow Violet), purple; *Cypripedium Pubescens* (yellow Lady Slipper), yellow; *Adiantum Pedatum* (Maidenhair Fern), lacy foliage; delicate stem.

**COLLECTION 802—3 PLANTS.** For shaded, damp, sub-acid soil: *Clintonia Borealis* (Bluebead), yellow, large berries of vivid, unusual blue. *Cornus Canadensis* (Bunchberry), white, cluster of scarlet berries. *Uvularia Perfoliata* (Bellwort), yellow; decorative seed pods or *Oakesia Sessilifolia* (Oakesia); yellow; interesting seed pods (Our choice).

**COLLECTION 803—3 PLANTS.** For moist, rich soil: *Caltha Palustris* (Marsh Marigold), yellow; *Onoclea Sensibilis* (Sensitive Fern), spores on separate stalk. *Osunda Regalis* (Regal Fern), endures several inches of water; sun or shade.



BIRD-FOOT VIOLET (*Viola Pedata*).



# Lilies for Spring Planting

## To Blossom in Late Summer when the Garden Needs Their Glory

**H**ARDY lily bulbs, carried over the winter in cold storage, may be planted in the spring, and will blossom in midsummer, when the garden needs their glory. Spring-planted lilies will blossom several weeks later than those planted in the fall; and they need some added care to shade them from the hot sun. But they escape from many winter hazards.

See that the bulbs have a well-drained place, preferably in partial shade. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stem-

**LILY BULBS BY PARCEL POST**—For postage zone rates see page 120.

Approximate weights: 8 to 9-inch, doz., 4 to 5 lbs.; 9 to 11-inch, doz., 6 to 7 lbs.; 11 to 12-inch, doz., 9 to 10 lbs.

### Lilium Regale

A magnificent new lily from China, vigorous, 3 to 5 feet high, bearing several handsome white fragrant flowers; slightly shaded pink outside and the lower inner surface primrose-yellow. It is a hardy lily and is one of the finest novelties offered in many years. It seems to thrive on any good, well-drained soil. It has been obtained in limited quantities for several years and is now grown from seed, from bulblets and bulb scales.

Bulbs—4-inch. Each, 40c, prepaid; 3 for \$1.10; doz., \$4.00, prepaid.

Bulbs—6-inch. Each, 75c; 3 for \$2.00, prepaid; doz., \$8.00, prepaid.

### Lilium Auratum

**The Gold-Banded Lily of Japan**—The most beautiful variety of all the lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 in.), each, 45c; doz., \$4.50 prepaid; 100, \$35.00.

Mammoth (9 to 11 in.), each, 60c; doz., \$6.00 prepaid; 100, \$45.00.

Jumbo (11 to 12 in.), each, \$1.00; doz., \$9.00 prepaid; 100, \$60.00.

### Lilium Auratum Platyphyllum

(Macranthum)

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance.

First Size (8 to 9 in.), each, 60c; doz., \$6.00 prepaid.

Mammoth (9 to 11 in.), each, 75c; doz., \$8.00 prepaid.

### Lilium Auratum Pictum

A very beautiful lily of recent introduction. The flowers are large, pure white in color, with the usual yellow band in the center of each petal, but in this novelty the tip of this band is splashed with red, while red dots replace the usual brown ones of the type. Give this lily as sharp a drainage as possible, preferably gravel or cinders covered with sand, with a layer of rich, friable soil overlaying the bulb, and you will be rewarded every year by a wealth of bloom, color, and fragrance. Plant six to eight inches deep.

Each, 75c; doz., \$8.00 prepaid.

### Lilium Speciosum

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals curve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the Rubrum types.

Album—Pure white.

First Size (8 to 9 in.), each, 60c; doz., \$6.00 prepaid; 100, \$45.00.

**Rubrum Magnificum**—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.

First Size (8 to 9 in.), each, 40c; doz., \$4.00 prepaid; 100, \$30.00.

Mammoth (9 to 11 in.), each, 60c; doz., \$6.00 prepaid; 100, \$45.00.

(11 to 13 in.), each, \$1.00; doz., \$9.00 prepaid; 100, \$60.00.

### Lily of the Valley (Convallaria Majalis)

**Large Clumps**—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost.

Price, each, 65c, prepaid; 3 for \$1.75, prepaid.

### Lilium Tenuifolium

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early.

Each, 30c; doz., \$3.00 prepaid.

rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies and enrich it with bone meal. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs. On page 97 are listed other bulbs which may be planted in the spring.

### Various Hardy Lilies

"Each" and "Dozen" Prices Include Postage

**Canadense (Meadow Lily)**—Gracefully drooping, bell-shaped, red and yellow flowers during June and July, attaining the height of two to five feet. Each, 20c; 3 for 50c; doz., \$2.00.

**Croceum (Orange Lily)**—A beautiful, cup-shaped lily from the Alpine Mountains where it grows wild in the pastures. The flowers are three to four inches in diameter, bright orange, spotted purplish black in center, with red anthers. It is a handsome, showy, vigorous, long-lived lily which thrives even in our smoky cities. It grows three to six feet high and blooms in June and July. Each, 50c; doz., \$5.00; 100, \$35.00.

**Martagon (European Turk's Cap)**—A hardy, robust lily coming from the land of the Tango. It attains the height of three feet, often carrying twenty to thirty purple flowers spotted purplish black. Each, 45c; doz., \$4.50.

**Pardalinum (Leopard or Panther Lily)**—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem. Each, 30c; doz., \$3.00.

**Philadelphicum (Wild Red Lily, Wood Lily)**—Our most beautiful native lily, the best specimens of which are usually found growing wild. The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during late June and early July. Each, 30c; doz., \$3.00.

**Superbum (American Turk's Cap, Swamp Lily)**—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Purchase this variety upon our recommendation. Height 3-8 feet. Each, 25c; 3 for 70c; doz., \$2.50.

**Tigrinum Flore Pleno (Double Tiger Lily)**—Probably the only desirable double-flowered lily in cultivation. Color and habit same as that of Tigrinum Splendens. Each, 20c; 3 for 50c; doz., \$2.00.

**Tigrinum Splendens (Tiger Lily)**—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, 20c; 3 for 50c; doz., \$2.00.

**Umbellatum Dauricum (Candlestick Lily)**—A lily of easy culture with three to five flowers ranging from deepest red through all shades of crimson, rose, yellow, buff and apricot. In June. Height 2 to 3 feet. Each, 25c; doz., \$2.50.

**Umbellatum Erectum**—Although the Umbellatum class through years of hybridation contains innumerable named varieties, at present we deem only one, Erectum, of a place in the garden. The flowers are blood-red, and slightly or not at all spotted. Each, 50c; doz., \$5.00.



LILLIUM Regale





# Color Borders of Perennials

CAREFULLY planned borders for color balance and succession of bloom the season through, are offered at a great saving over the price of individual plants. Economies in assembling and packing

make this possible. Prices are F. O. B. our greenhouses at Western Springs, Ill., and plants will be shipped by express, collect. In two years the plants will crowd the specified areas.

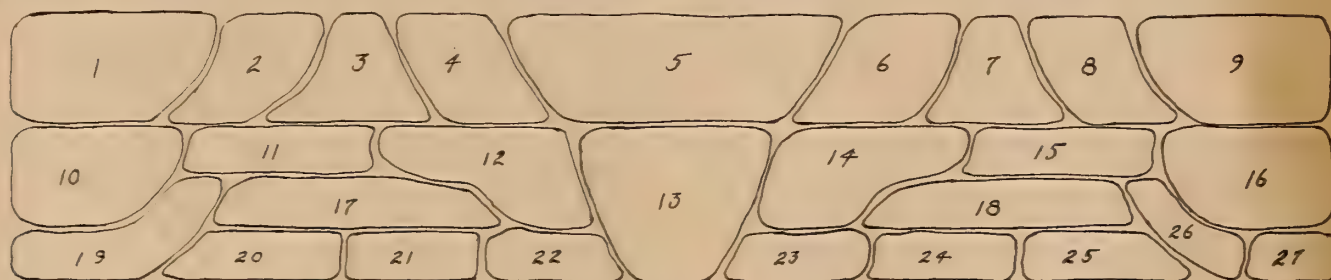


Fig. 1—We offer two alternative collections (10A and 10B) to fit the planting plan above, 5x25 feet.

**Collection 10A—For Sunny Border (Fig. 1) 5x25 feet in Sunny location, 156 plants as specified below (by express, not prepaid), \$25.00.**

Key No. on Plan	Variety	No. of Plants	Key No. on Plan	Variety	No. of Plants
1	Hollyhocks, double	5	*17	Iris Germanica	5
2	Aster Well's White	3		Interplanted with Viola Cornuta	5
3	Phlox Thor	4	*18	Iris Germanica	5
4	Aster Climax	3		Interplanted with Viola Jersey Gem	5
**5	Delphinium	12	19	Shasta Daisy Alaska	5
	Interplanted with Mertensia Virginica	8	20	Polemonium Richardsoni	3
6	Aster St. Egwin	3		Interplanted with Mazus Reptans	3
7	Phlox Obergartner	4	21	Aquilegia, Scott Elliott	4
8	Aster Cloudy Blue	3	22	Cerastium tomentosum	3
9	Hollyhocks, double	5	23	Hosta variegata	5
10	Anthemis Kelwayi	3	24	Sedum rubrum	3
11	Monarda rosea	6		Interplanted with Phlox Divaricata	3
12	Chrysanthemum, Hardy	5	25	Sedum Brilliant	3
13	Buddleia	6		Interplanted with Phlox Divaricata	3
	Interplanted with Trillium Grandiflorum	8	26	Gaillardia grandiflora	3
14	Chrysanthemum, Hardy	5	27	Coreopsis lanceolata	3
15	Monarda rosea	6			
16	Echinacea purpurea	3			
	Interplanted with Lysimachia Nummularia	3			

**Collection 10C—For Sunny Border (Fig. 2) 4x15 feet in sunny location, 70 plants below (by express, not prepaid), \$12.50.**

Key No. on Plan	Variety	No. of Plants	Key No. on Plan	Variety	No. of Plants
1	Helianthus Mollis	5	10	Aquilegia, Scott Elliott	5
2	Aster Climax	3	*11	Iris Germanica	5
3	Chrysanthemums, Hardy	3	12	Veronica mixed	5
**4	Delphinium	7	13	Phlox, Goliath	3
5	Hollyhocks, Double	3	14	Anthemis Kelwayi	3
6	Chrysanthemums, Hardy	3	15	Echinacea Purpurea	3
7	Monarda Didyma	3	16	Sedum Brilliant	3
8	Artemisia Lactiflora	3	17	Viola Cornuta	5
9	Phlox, Miss Lingard	3	18	Shasta Daisy, Alaska	5

\*\*Delphinium of our selection from our stock of Blackmore & Langdon, Belladonna, and Wrexham strains.

\*Iris of our selection from following: Alcazar, Caprice, Kochi, Florentine Alba, Juniata, Loreley, Prosper Laugier, Quaker Lady, Queen of May, and Sherwin Wright.

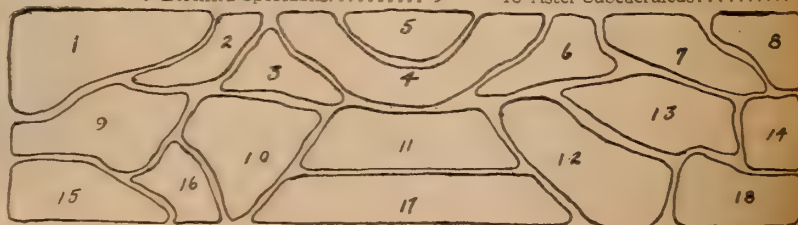
Fig. 2. We offer two alternative collections to fit the planting plan (to the right), 4x15 feet.

**Collection 10B—For Shady Border (Fig. 1) 5x25 feet in partly Shady location, 156 plants as specified below (by express, not prepaid), \$25.00.**

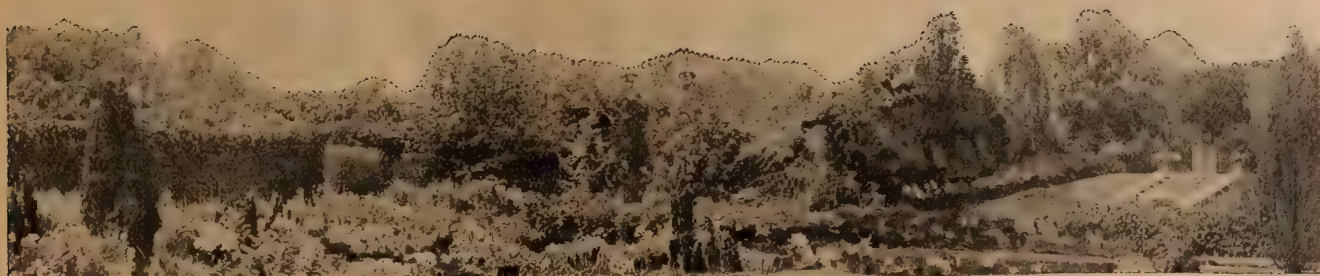
Key No. on Plan	Variety	No. of Plants	Key No. on Plan	Variety	No. of Plants
1	Aconitum Wilsoni	5	17	Aquilegia, L. S. Blue	5
2	Thalictrum Flavum	3		Interplanted with Viola Cornuta	5
3	Liatris pycnostachia	4	18	Aquilegia, Rose Queen	5
4	Hemerocallis Flava	3		Interplanted with Viola Jersey Gem	5
5	Hardy Ferns	12	19	Iris Pumila Cyanea	5
	Interplanted with Mertensia Virginica	8	20	Ajuga Reptans	3
6	Hemerocallis Flava	3		Interplanted with Mazus Reptans	3
7	Veronica mixed	4	21	Phlox Subulata Rosea	3
8	Lythrum Roseum Superb	3	22	Aster Alpinus Alba	4
9	Anchusa Italica	3	23	Aster Subcaeruleus	5
10	Dicentra spectabilis	5	24	Arabis Alpina	3
11	Monarda rosea	6		Interplanted with Phlox Divaricata	3
12	Campanula Trachelium	5	25	Pachysandra Terminalis	3
13	Sedum Spectabile	6		Interplanted with Phlox Divaricata	3
	Interplanted with Trillium Grandiflorum	8	26	Myosotis Palustris	3
14	Heuchera Sanguinea	5	27	Limonium Latifolia	3
15	Monarda Rosea	6			
16	Dicentra Spectabilis	3			
	Interplanted with Lysimachia Nummularia	3			

**Collection 10D—For Shady Border (Fig. 2) 4x15 feet in partly shady location, 70 plants below (by express, not prepaid), \$12.50.**

Key No. on Plan	Variety	Plants	Key No. on Plan	Variety	Plants
1	Aconitum Wilsoni	5	10	Monarda Roseum	5
2	Thalictrum Flavum	3	11	Sedum Spectabile	5
3	Liatris Pycnostachia	3	12	Campanula Trachelium	5
4	Ferns, Hardy	7	13	Limonium Latifolia	3
5	Hemerocallis Flava	3	14	Dicentra Spectabile	3
6	Lythrum Roseum Superb	3	15	Iris Pumila Cyanea	3
7	Veronica mixed	3	16	Phlox Subulata Rosea	3
8	Anchusa Italica, Drop	3	17	Aquilegia, Blue	5
9	Dicentra Spectabilis	3	18	Aster Subcaeruleus	5







# Dominant Flowers

## Perennials You Must Have Offered in Bargain Collections

**I**N EVERY month of the garden year there is a flower that dominates. We speak of daffodil time, of the tulip season, the iris, peony, delphinium, hollyhock, phlox and chrysanthemum seasons. Though there are hundreds of other flowers blossoming with them, we give unconscious homage to the flowers that dominate their companions in size, vigor and brilliance. It is naturally the dominant flowers of which we wish to grow the largest number and variety.

To assist you in doing this, we have assembled on this page special offers of numerous collections of dominant flowers. In some are listed varieties of wide popularity, which every gardener should know. In others, we send varieties of our selections, at a special price, which compensates you for surrendering your right to name exactly what you get. In every case the price is a bargain, made possible by economies in order filling, and the size of the order.

### Special Phlox Collections

Hardy phloxes come in late July and August, when there are no other perennials of importance. For this reason they are perhaps more essential to the garden display than any of the other dominant flowers—nothing takes their place.

**Named varieties**, of our selection, 3 for 85c; doz., \$2.50; 100, \$15.00.

**Mixed Phloxes**, 1 year field-grown plants of our selection, 3 for 65c; doz., \$1.50; 100, \$10.00. Prepaid 300 miles from Chicago.

**Collection No. 89**—Ten plants, one each of ten varieties of our selection, each labeled by name, \$3.00. Prepaid 300 miles from Chicago.

**Collection No. 89a**—Six plants, one each of six varieties of our selection, labeled, \$1.75. Prepaid 300 miles from Chicago.

**Collection No. 89b**—Six plants, two each of three distinct colors, our selection, \$1.50. Prepaid 300 miles from Chicago.

### Special Chrysanthemum Collections

Hardy chrysanthemums are the last perennials to blossom. They end the season of outdoor flowers and a fine display in the October and November garden lessens the regret we feel as we watch the approach of winter.

**Collection No. 88a**—Pompon Chrysanthemums, the button flowering type, are perhaps the hardiest of all. We offer thirteen plants one each of the varieties listed under the heading, "Small-Flowered Outdoor Varieties," on page 88, for \$2.00, prepaid 300 miles from Chicago.

**Collection No. 88**—Large-Flowered Outdoor Chrysanthemums. These are truly gorgeous flowers and we list only the hardiest of their type. They reach good flowering size the first season, and with protection will endure most winters. We offer fifteen plants, one each of the varieties listed on page 88, for \$2.40, prepaid 300 miles from Chicago.

## Special Iris Collections

Shipped at buyer's expense F. O. B. Chicago.

### Collection 11A

Eight of the world's finest varieties, for \$5.00.

**Ambassadeur**, bronze and maroon.  
**Ballerine**, light violet-blue.  
**Dream**, soft clear pink.  
**Lent A. Williamson**, purple.  
**Medrano**, smoky claret.  
**Princess Beatrice**, silvery lavender.  
**Seminole**, rose and crimson.  
**Shekinah**, soft yellow.

1 each of above eight Irises for ..... \$ 5.00  
3 each of above eight Irises for ..... 12.00

### Collection 11B

Eight choice varieties of distinctive charm and unique coloring, for \$2.50.

**Cluny**, pale lilac-blue.  
**Dejazet**, rose and purple.  
**Grevin**, violet and red.  
**La Neige**, glistening ivory-white.  
**Neptune**, pale blue and purple.  
**Seminole**, rose and crimson.  
**Trianon**, pale buff.  
**W. J. Fryer**, yellow and maroon.

1 each of above eight Irises for ..... \$ 2.50  
3 each of above eight Irises for ..... 5.00

### Collection 11C

Eight splendid standard sorts each of special value in the border for \$2.00.

**Archeveque**, violet-purple.  
**Caprice**, reddish purple.  
**Iris King**, old gold and maroon.  
**La Neige**, glistening ivory-white.  
**Loreley**, yellow and plum.  
**Prosper Laugier**, bronze.  
**Quaker Lady**, smoky lavender.  
**Sherwin Wright**, golden yellow.

1 each of above eight Irises for ..... \$ 2.00  
3 each of above eight Irises for ..... 4.50

### Collection 11D

10 each of 5 good named varieties, our selections, for \$3.00.

### Collection 11E

10 each of 5 of the better named varieties (50 plants) our selection, for \$5.00.

### Collection 11F

One each of the eight varieties of Japanese Iris listed on page 91, for \$3.00; 3 each (36 plants) for \$7.00.

## Special Offers of Hardy Plants in Variety

The plants in the following collections will be desirable varieties of best quality each properly labeled, but in every instance the selection must be our own. The prices include delivery within 300 miles from Chicago. We are able to make attractive prices on these collections because they permit us to include varieties—often the higher priced and more desirable of which we have a larger quantity than are needed for specific orders. Thus the buyer of collections profits.

### Rock Garden Collections

Only plants suitable for the rock garden will be sent.

No. 101—10 Plants, 1 each of 10 varieties..... \$ 2.50  
No. 102—24 Plants, 2 each of 12 varieties..... 5.00  
No. 103—50 Plants, 5 each of 10 varieties..... 8.50  
No. 104—100 Plants, 5 each of 20 varieties..... 15.00

### Shady Plant Collections

These will be plants that have been proven shade tolerant. They can be planted on the north side of the house, under shade trees, or any other location that only receives the sunlight for a few hours each day. They should be planted in good garden soil, however.

No. 151—10 Plants, 1 each of 10 varieties..... \$ 2.50  
No. 152—24 Plants, 2 each of 12 varieties..... 5.00  
No. 153—50 Plants, 5 each of 10 varieties..... 8.50  
No. 154—100 Plants, 5 each of 20 varieties..... 15.00

### Hardy Plants in Variety

No. 251—10 Plants, 1 each of 10 varieties..... \$ 2.50  
No. 252—24 Plants, 2 each of 12 varieties..... 5.00  
No. 253—50 Plants, 5 each of 10 varieties..... 8.50  
No. 254—100 Plants, 5 each of 20 varieties..... 15.00



# NEWER VEGETABLES

Improved Types and Novelties for Up-to-date Gardeners



VAUGHAN'S  
EARLIEST  
SWEET CORN

ON this page we list some of the outstanding new or special strains of vegetables of more recent introduction. Each year we gather from the world over such varieties as seem to be new, and grow them in our trial grounds to test their merits and adaptability to American conditions. After trial growing and table tests, we can recommend these varieties to our customers.

## Bean, Monster Stringless Green

**Pod**—This is a giant green bean. The pods are round, very long, and stringless. The vines are tall, strong-growing, and prolific. Seeds are large and black. An outstanding variety. Pkt., 15c; ½ lb., 35c; lb., 65c.

## Bean, Vaughan's Monster Stringless Wax

**Wax**—This variety has no superior as to quality and flavor. It is so stringless and tender (without any linen in the pod) that it can be used on the table up to the time the bean is almost ripe. It is a light yellow, and in size it is the largest of all Bush Beans; about half an inch thick and 5 to 8 inches in length. It is early and matures its beans evenly and well together. Pkt., 15c; ½ lb., 35c; lb., 60c.

## Bean, New White Stringless Wax

Earlier than Davis with a longer pod and entirely stringless, perfectly straight and excellent quality. The bean itself is a clear white about the size of Davis and can be used in a dry stage if necessary. This is very productive and fine quality. Pkt., 15c; ½ lb., 35c; lb., 60c.



BROCCOLI, ITALIAN GREEN SPROUTING

## Broccoli, Italian Green Sprouting

A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small loose heads, two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious.

Pkt., 25c; ½ oz., 75c; oz., \$1.25; ¼ lb., \$4.00.

## Asparagus Chicory

This is a favorite in Italy and has been grown successfully in our trials. A member of the chicory family, it is cultivated for its fresh green shoots which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 25c; ½ oz., 50c; oz., 75c.



ASPARAGUS CHICORY

## Sweet Corn—Vaughan's Earliest

Our own development produced by breeding from the earliest and most desirable varieties and through several years of careful selection. An 8-row white ear 7 inches long borne on a 7-foot stalk. It is the earliest sweet corn of desirable flavor. Pkt., 20c; ½ lb., 35c; lb., 65c.

## Sweet Corn—Golden 60-Day Sweet

As early as 60-day Makegood. It is bred from the Makegood strain crossed with Golden Bantam. Except for its beautiful golden color and a slightly more pointed ear, it is the same in all respects to our 60-day Makegood. Pkt., 15c; ½ lb., 30c; lb., 50c.

## Chinese Cabbage, "Paoting"

Genuine "WONG BOK" type. We have obtained from our Chinese growers seeds of this new variety of the Wong Bok type of Chinese cabbage which differs from the Pe Tsai type in being shorter and thicker. It will mature firm heads during the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. In crispness and tenderness it resembles the Pe Tsai and has the same fine, celery flavor. It is the largest of the Chinese cabbages and is probably the safest variety for an amateur to plant, in the spring. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

Pe Tsai type (Vaughan Strain. See page 19). Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

## Cabbages, Yellows Disease Resistant

We list on Page 19, proved varieties of disease resistant cabbages, which have become so important to sections in which the cabbage yellows disease is prevalent. We offer only varieties which have been tested in the diseased cabbage fields of Wisconsin and found to be 80% to 90% resistant. If interested, turn to the last column, Page 19.

## Cucumber Grow Quick

A pickle type similar to Chicago Western-field in size and shape, but a week to ten days earlier. It usually matures its crop before the early blight appears. Pkt., 20c; oz., 50c.

## Marrow—New Italian

When matured it is 2 feet long, 3 to 4 inches in diameter and very dark green. A bush type and very productive. There is nothing better for slicing in its early growth and if kept picked, will continue to bear until frost. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

## Pepper California Wonder

A mild, sweet, midseason variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has an extremely thick flesh which that variety does not; crimson fruit. Pkt., 20c; oz., \$1.00; ¼ lb., \$3.50.

## Squash, "Sweet Potato"

A valuable addition to the list of small squash of fine flavor, which are becoming so popular a feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruits average 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order.

Pkt., 15c; oz., 35c; ¼ lb., 75c; lb., \$2.50.

## Tomato, New King

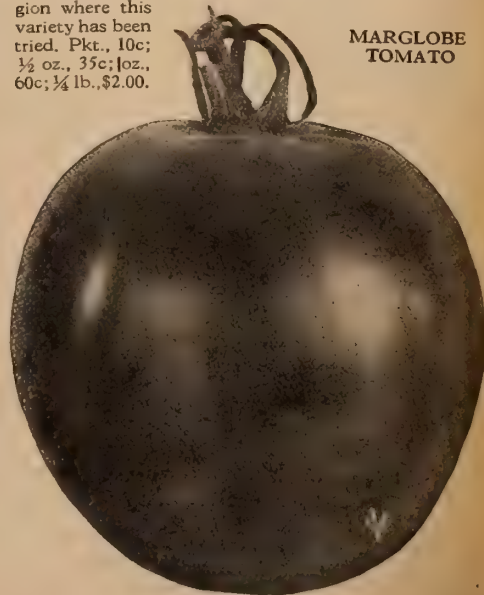
This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. An excellent addition to the home garden. Pkt., 25c.

## Tomatoes, Wilt Resistant

In sections where fungal and bacterial diseases are prevalent in this crop, resistant varieties should be chosen to insure a normal yield.

**MARGLOBE**—A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, it produces large, smooth, meaty, globular, red fruits, which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first-class pulp. From a 3½ acre field of Marglobe grown under ordinary conditions at the Arlington Experimental Farm there were picked over 21 tons per acre. Large yields were reported from nearly every region where this variety has been tried. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

MARGLOBE  
TOMATO



**MARVELOSA** is a very productive second-early, pink-fruited variety which produces smooth, globular, firm and evenly-colored fruit. These qualities have already secured its adoption in many commercial greenhouses. It has also been favorably received in trucking regions where the market demands pink fruits. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.



# ASPARAGUS

## A Bed Lasts a Lifetime

### Health Value of Fresh Picked Asparagus

Calories per lb. 100. Vitamines, A, B, C, D.

Minerals:

Proteins... 1.8 %	Calcium... .025%	Chlorine... .039%
Fats... .2 %	Magnesium... .011%	Sulphur... .041%
Carbohydrates .33%	Potassium... .196%	Iron... .001%
	Sodium... .007%	

**ASPARAGUS** from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

**SEED PLANTING**—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

**ROOT PLANTING**—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

**WHITE ASPARAGUS.** White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.



### Washington Rust Resistant Strain.

Developed by the experts of the United States Department of Agriculture. We offer seeds or plants grown on our Michigan farms from seed sent us by the United States Department of Agriculture. Rustproof plants are being generally accepted by commercial growers, since the differences between varieties of asparagus are not great, given the same soil and cultivation. Assurance of freedom from disease is of such importance as to predominate in the selection of planting stock. The most satisfactory strain for amateurs and with most commercial growers is **MARY WASHINGTON**.

**MARY WASHINGTON** stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 15c; oz., 35c; ¼ lb., 90c; lb., \$3.00.

**WASHINGTON** stock is the result of crosses from a single male plant "Washington" with selected female plants. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.

# LIMA BEANS

**New Wonder Bush Lima.** The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.

Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**Fordhook Bush Lima Bean.** The highest quality Bush Lima Bean, it is the old "Potato" or

"Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.50.

### Improved Bush Lima—

**Burpee's.** This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**BUSH LIMA—HENDERSON'S.** Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

1 and 2-lb. lots of Beans are pre-paid to the Third Zone Beyond Third Zone add 5 cents per pound additional. 10-lb. lots by express or freight at buyer's expense.



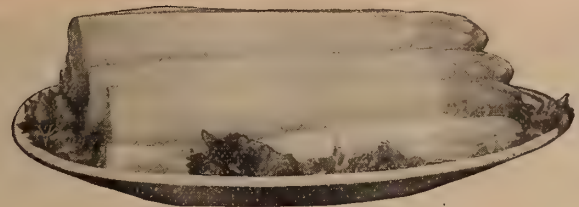
NEW WONDER BUSH LIMA

### BUSH LIMA—BURPEE'S.

Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**FORD'S MAMMOTH.** Pods grow in large clusters and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**LIMAS** should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best flavored of all beans.



### BONVALLET'S GIANT

**Bonvallet's Giant.** Equally good, grown white or green. Bonvallet's Giant is favored on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Our strain has been improved each year by careful re-selection. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**Early Giant Argenteuil.** Famous Parisian Asparagus. Grows to large size, vigorous and fairly free from rust, superb flavor. Our seed is from one of the largest plantations near Paris. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**PALMETTO.** Standard light green. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**CONOVER'S COLOSSAL.** A large, fast-growing variety. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

### Asparagus Roots.

	1-Year Old			2-Years Old		
	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant.....	\$0.40	\$2.00	\$12.00	\$0.60	\$3.00	\$17.00
Argenteuil (Giant).....	.40	2.00	12.00	.60	3.00	17.00
Palmetto.....	.40	2.00	12.00	.60	3.00	17.00
Mary Washington.....	.60	3.00	17.00	.85	4.00	30.00

If by mail add postage as follows..... Doz., 5c; 100, 35c. Doz. 8c; 100, 50c

## Artichoke

The Artichoke is grown for its edible blossoms. It is a perennial but requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

**GREEN GLOBE.** Perennial, large-flowering heads of exquisite and unique flavor. A prized delicacy of rapidly growing popularity. Matures second year; not hardy in the North. Pkt., 10c; oz. 75c.

**JERUSALEM ARTICHOKE ROOTS.** Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. It grows in a wild form in the United States. Lb., 35c; 3 lbs., 85c; 10 lbs., \$1.50. Write for quantity prices.

## A Table Delicacy

### Vitamines A, B, C, D.

**Carpinteria Pole Lima.** While the seed retains its distinctively green color, it is as prolific as any white lima; the vines are vigorous, bearing quantities of pods, each containing usually four beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**Early Leviathan.** Exceptionally early, it equals the main crop variety for large pods; clusters of 5 to 8 grow together. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**Siebert's Early Lima.** Hardy, early and an enormous producer, a grand variety for Northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

**LARGE GREEN SEEDED POLE LIMA.** It produces beans equal to any of the so-called "giants," and whose greenish tinge adds much to their appearance over the pure white color of the other sorts. Season medium, pods 9 to 10 inches in length, containing an average of 5 to 6 beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 10 lbs., \$2.75.

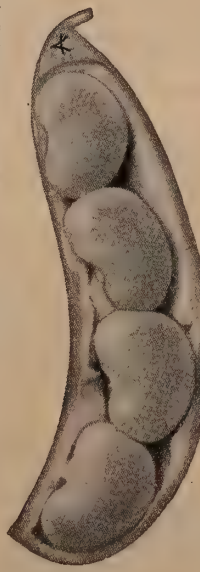
**EXTRA EARLY JERSEY LIMA.** Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

**KING OF THE GARDEN.** A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**LARGE LIMA.** Very attractive. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**CHALLENGER OR DREER'S IMPROVED.** Thick pods, good size and flavor. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**IDEAL POLE LIMA.** Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.



CARPINTERIA—GREEN SEED LIMA





IMPROVED GOLDEN WAX

### Wax Podded Bush Beans

**B**EANS are very tender. The seeds must be sown where they are to grow, when frost has ended and the ground is warm. The bush varieties are much earlier than the pole beans and are usually the main crop in Northern gardens, and in home gardens where space is limited. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

**For the Home Garden**—We recommend Wardwell's Kidney Wax, Improved Golden Wax and Round Pod Kidney Wax. The home gardener will find his bean crop one of the most productive in food values. If the plants are kept picked clean they will bear a long time and a second crop will come in late summer continuing through the fall. If space is limited, however, it is better to plant for a succession crop, as the first crop is much the heaviest.

**Wardwell's Kidney Wax.** In Western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped, beautiful yellow, distinct and attractive.

Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

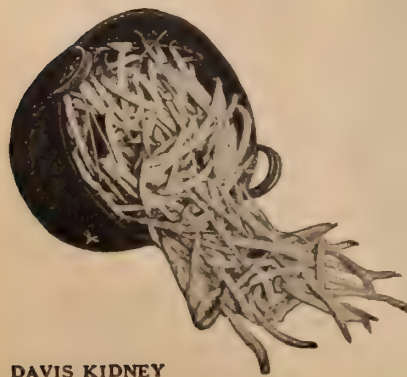
**Pencil Pod Black Wax.** Bushy vines, very prolific, 15 inches high; yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**Round Pod Kidney Wax.** Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor. Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

**Monster Stringless Wax.** See Novelty Page 12. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

**Stringless White Wax (New).** See Novelty Page 12. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

**Davis Kidney Wax.** Vines vigorous and very prolific, bear handsome, waxy white pods 7 inches long; the finest appearing of all early wax beans. They should be used while young, when free from strings. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.



DAVIS KIDNEY WAX

**CURRIE'S GOLDEN WAX.** Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. The much-planted sort. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**HODSON WAX.** The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**WHITE SEEDED GOLDEN WAX (Michigan White Wax).** A white seeded, high quality Golden Wax type. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

# BEANS, WAX

**Improved Golden Wax.** A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety.

Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**Sure Crop Wax.** BLACK SEED—An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**New Kidney Wax.** A flat, long-podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round-podded wax beans have generally been regarded as of better quality than the flat sorts; here is a flat-podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.

Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.



A Field of Bountiful Beans on Vaughan's Michigan Farms

### Vaughan's Specials



We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

**THERE ARE NONE BETTER**

**UNRIVALED WAX.** A robust grower, ready in 65 days, slightly flattened pods, high quality. Pkt., 10c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

**WEBBER WAX.** A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome, bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

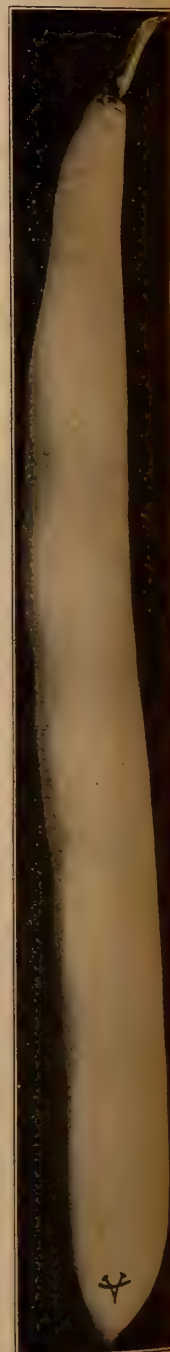
**VIOLET WAX.** Pkt., 10c; lb., 50c; 2 lbs., 90c.

**STRINGLESS REFUGEE WAX.** Very productive; pods long, stringless and brittle. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**PROLIFIC BLACK WAX.** Very early; prolific; long pod. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.

### Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment to the third zone from Chicago or New York on lots up to 2 pounds. For postage charge on larger lots see page 120.



WARDWELL'S WAX



# AND GREEN

## Health Value of Fresh Picked Beans

Calories per lb., 184. Vitamines A, B, C, D.

Minerals			
Proteins	2.3%	Calcium	.046%
Fats	.3%	Magnesium	.025%
Carbohydrates	7.4%	Potassium	.247%
		Sodium	.019%
		Chlorine	.024%
		Sulphur	.030%
		Iron	.0011%

## Green Pod Bush Type

WHETHER one grows Wax or Green Beans is a matter of taste. Tests have proved, as far as can be, that there is no difference in flavor, nor in tenderness; and they are both grown alike. The round-podded varieties are considered to be more brittle, while the flat-podded types are better yielders. Bountiful is a flat-podded variety of remarkable yielding qualities, while Stringless Green Pod and Giant Stringless Green Pod are examples of the round-podded type.

For the Home Garden—Bountiful, Stringless Green Pod, Improved Red Valentine and Stringless Refugee, for all of which we can supply seed grown on our own farms in Michigan.

**Stringless Green Pod.** The great leader in green pods for general purposes. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks.

Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

**Bountiful Stringless.** This bean has a long flat pod instead of a round pod like the Stringless

Green Pod variety. Bountiful, has wonderful quality; absolutely stringless, early and prolific.

Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

**Giant Stringless Green Pod.** An immense type of "Improved Early Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod.

Pkt., 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.

**Tennessee Green Pod.** This is a second early green pod bean of merit, because of its excellent flavor and quality. The flat pods are extra long and irregular in shape; bright green in color.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**Improved Early Red Valentine.** Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**Longfellow (Round Pod).** Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long; straight and round; very prolific.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**Black Valentine.** It is not as early as "Improved Red Valentine," improved, but it is suited to both early and late planting; its hardness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.50.

**Full Measure.** A main crop variety of bush beans—a Stringless Round Green Pod Bean, and on account of quality and productivity is growing in popularity each year.

Pkt., 10c; lb., 60c; 2 lbs., \$1.00; 10 lbs., \$4.00.



VAUGHAN'S BOUNTIFUL  
STRINGLESS

## Great Northern.

A little larger than the Navy Bean, it is hardier and under ordinary conditions a much heavier yielder. For cooking many give it preference, saying it cooks in a shorter time, is more tender and more digestible.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

**REFUGEE OR 1000 TO 1.** A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

Price per packet of following varieties, 10c., except where noted.

**EXTRA EARLY REFUGEE.** Similar to the Refugee; two weeks earlier. Lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

**ENGLISH BROAD WINDSOR.** An English Dwarf Bean, eaten shelled, best of class. Lb., 45c; 2 lbs., 80c; 10 lbs., \$3.25.

**DWARF HORTICULTURAL.** Late, heavy yielding. Flat green pods spotted with red. Lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**"ROBUST."** Robust is a selection of the White Navy Bean introduced by the Michigan Agricultural College. In the College trials Robust has always outyielded other White Beans. It is especially adapted to the heavier soils. Lb., 30c; 2 lbs., 50c; 10 lbs., \$2.00.

**SUTTON'S MASTERPIECE.** The best of the greenhouse forcing beans. The pods are flat like Bountiful but larger and thinner. Early in season and a heavy yielder. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.75.

**IMPROVED NAVY.** Fine field sort. Lb., 30c; 2 lbs., 50c; 10 lbs., \$2.00.

**WHITE KIDNEY.** Shell beans. Lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50.

**RED KIDNEY.** Lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50.

**STRINGLESS REFUGEE GREEN POD.** An entirely stringless type of the Refugee or 1000 to 1 variety. Late in season. Fine yielder. Pkt., 10c; lb., 60c; 2 lbs., \$1.00.

**WHITE MARROW.** Good shell bean. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.50.

NOTICE—We offer beans and peas by the pound, instead of pints, etc. 1 lb. is a little more than 1 pint; 2 lbs. is a little more than 1 quart.

# POLE BEANS

Later and  
More Prolific

POLE varieties are more tender than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

**Kentucky Wonder or Old Homestead.** Green pod. The old reliable Green

Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season.

Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

**Kentucky Wonder Wax.** The best pole wax bean for Northern planting. It is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating.

Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

**Early Golden Cluster Wax.** Long, stringless; fine quality; pods in clusters; pure white seeds.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

**White Creaseback.** Early; long, round, green, stringless tender pods; white beans.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.85.

**Burger's Stringless Green Pod.** Small, white bean; good for baking; long-bearing vines.

Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

**Cut Short or Corn Hill.** Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

**LAZY WIFE.** Good shell beans; long, thick, stringless pods. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.00.

**SCARLET RUNNER.** Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.50.

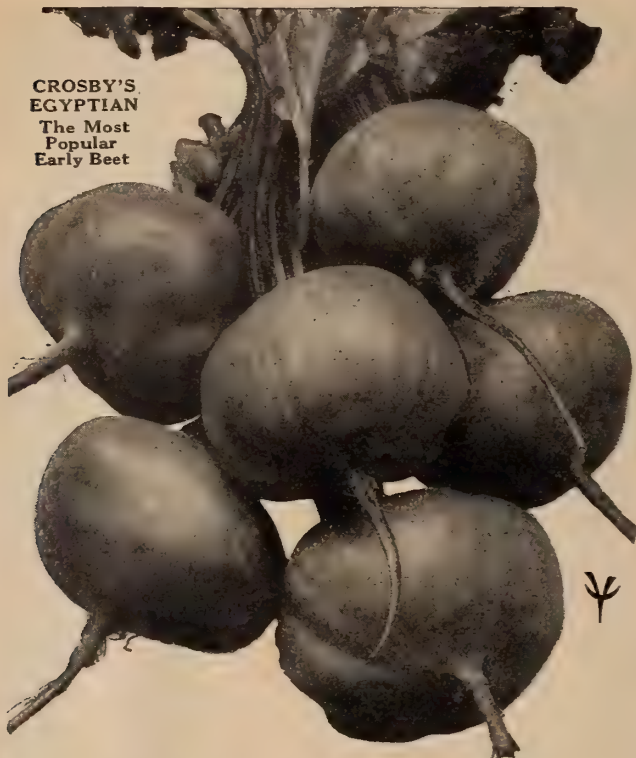
**YARD LONG.** Or French Asparagus Bean. A long curious bean something like a cow pea, with edible pods. Pkt., 15c; lb., 70c.

**DUTCH CASEKNIFE.** Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

**HORTICULTURAL CRANBERRY.** For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.



CROSBY'S  
EGYPTIAN  
The Most  
Popular  
Early Beet



# MANGELS

## For Stock Feeding

**Barres Sludstrup.** Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far exceeds any other variety in weight and in the feeding value. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$2.75.

**Vaughan's Mammoth Long Red.** Largest and heaviest crop per acre of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground. Oz., 10c; ¼ lb., 20c; lb., 60c, prepaid; 5 lbs., by express, \$2.50.

**GIANT YELLOW ECKENDORF.** One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

**GIANT YELLOW INTERMEDIATE.** Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

**GOLDEN TANKARD.** Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

**CHAMPION YELLOW GLOBE.** Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

**GIANT ROSE HALF SUGAR.** Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

### SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., by express, \$2.50.

**VILMORIN'S IMPERIAL.** Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels.

**KLEIN-WANZLEBEN.** Wedge-shape, tapering to long tail.

**LANE'S IMPROVED.** Heavy yielder; flesh snow-white.

**FRENCH RED TOP SUGAR.** Famous in France for percentage of sugar.

Vaughan's Seed Store, Chicago, Ill. Shidler, Okla.  
This is the fourth successive year that I have purchased seeds from you, and wish to state that I have much better results with your seeds here in Oklahoma than any others that I have ever purchased. For three years now I have had a bed of large double petunias and in my case your seed has come fully 90% double. I had pansies this past year that were three inches in diameter and born on ten-inches stems. This does not mean just one flower, but dozens of them. Your Blackmore and Langdon Delphinium is the finest Delphinium in this town.  
Auto Electric Co.  
Yours truly,  
A. L. DARLEY, Box 837.

# BEETS

## An All-Year Crop

### Health Value of Fresh Picked Beets

Calories per lb., 209.		Vitamines A, B, C, D.			
		Minerals			
Proteins	1.6%	Calcium	.029%	Chlorine	.058%
Fats	.1%	Magnesium	.021%	Sulphur	.016%
Carbohydrates	9.7%	Potassium	.353%	Iron	.0006%
				Sulphur	.093%

**BEETS** should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard-shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See Page 37.

**Home Garden Varieties**—Crosby's Egyptian or Fireball for the early crop and Detroit Dark Red Turnip for main crop and late crop are recommended to home gardeners as providing the very finest table quality. Swiss Chard should be in every home garden.

**Crosby's Egyptian.** This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities, has secured for this variety a wide and growing popularity, based solely on merit. Vaughan's Crosby Beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

**VAUGHAN'S SELECTED STOCK**—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

**STANDARD STOCK**—Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**Early Wonder.** Different seedmen have so many varying ideas of what constitutes a Crosby Egyptian beet that we are listing this particular type now under the name "Early Wonder." The roots run a little deeper (more of a globe shape) than other types, and are deep blood-red in color, with almost no lighter zoning in the cross section of a root. Top small, but large enough for bunching, small tap root. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

**Detroit Dark Red Turnip.** A main crop variety unequaled as a small tap root, small upright tops—fine for market bunching. Skin, dark blood-red, flesh, bright red, sweet, tender and delicious.

**VAUGHAN'S SELECTED STOCK**—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; by express, not prepaid, 5 lbs., \$6.50.

**STANDARD STOCK**—Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**Crimson Globe.** Second early main crop. Is medium size, about 10 inches around, globe-shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**Vaughan's Fire Ball.** It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$6.50.

**Edmand's Blood Turnip.** One of the best, round, well formed, has only one tap root, flesh is deep blood-red, very sweet and tender. They do not grow large and coarse, and, having small tops, they can be planted close. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**Half-Long Blood.** A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**Vaughan's Chicago Market.** A main crop variety of great merit; is turnip-shaped, medium size, tops rather small, and has a fine tap root. The color is perfect dark blood-red; the leaves are dark glossy red, almost black; does not soon overgrow when left in the garden, and is a fine keeper. For the home garden this is a splendid variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**LONG SMOOTH DARK BLOOD.** Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**EARLY BLOOD TURNIP.** Good color, large and smooth. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**ECLIPSE.** Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

**IMPROVED EARLY EGYPTIAN.** The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.





OXHEART

DANVERS  
HALF LONGIMPROVED  
LONG ORANGENANTES  
HALF LONGEARLY  
CHANTENAY

# DELICIOUS CARROTS

Sweet in Flavor, Rich in Health

## Health Value of Fresh Picked Carrots

Calories\*per lb., 204. Vitamines A, B, C, D.

### Minerals

Proteins	1.1%	Calcium	.056%	Chlorine	.036%
Fats	.4%	Magnesium	.021%	Sulphur	.022%
Carbohydrates	9.3%	Potassium	.287%	Iron	.0006%
		Sodium	.101%		

**C**ARROTS are not alone one of the most wholesome of foods, supplying precious vitamins, but when half-grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart.

**Vaughan's Select Danvers.** This is a very popular and universally planted carrot. It is two weeks later than Chantenay and the diameter of the root is slightly smaller. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other.

DANVERS SELECT STOCK—Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; 5 lbs., \$6.00

**HALF LONG DANVERS.** Standard Stock. More pointed and slightly smaller than Select. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

**Guerande or Oxheart.** Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has fine flavor and tenderness. A second early. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**Vaughan's Chicago Forcing.** A FORCING STRAIN. Similar to Nantes Half Long; develops much earlier. Nearly cylindrical with blunt point, coreless. Excellent for the home garden. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50.

## CARROTS FOR STOCK

**Mastodon or White Intermediate.** Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c; 5 lbs., \$3.75.

**LONG ORANGE BELGIAN.** Good heavy cropper for light soils. Exceptionally fine keeper. Oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., 90c; 5 lbs., \$4.00.

**LONG WHITE BELGIAN.** Similar to Long Orange except in color. Oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c; 5 lbs., \$3.75.

**Early Chantenay.** This excellent variety is earlier than Danvers, being ready to use in sixty days after sowing. It is slightly shorter and more stump-rooted, averaging  $4\frac{1}{2}$  inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes, allowing the roots to reach full growth for winter storage.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

SELECTED STOCK—Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**Nantes Half Long Scarlet.** For extra sweetness, this is all by itself. It is of good shape and size.

The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. This is strongly recommended to home gardeners. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50; 5 lbs., \$6.00.

**Early Short Scarlet.** (Dutch Horn.) Larger than French Horn and almost as early, stump-rooted,  $1\frac{1}{2}$  inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.65.

**Very Early Scarlet Forcing.** (French Horn.) Best variety for earliest forcing. Reddish orange-colored roots, nearly round. When matured they are about two inches in diameter. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**Improved Long Orange.** A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25; 5 lbs., \$4.50.



Carrot Trials at Vaughan's  
Michigan Farms



VERY  
EARLY  
SCARLET  
FORCING





**COPENHAGEN  
MARKET CABBAGE**

**Re-selected Copenhagen Market Extra Early.** As the earliest of the larger heading cabbages Copenhagen Market is of the utmost importance to both home and market growers. Our re-selected early strain has been sold by us for six years with remarkable results. Truck gardeners have reported that their entire crop from this seed has been marketed before Copenhagen heads from other seed were ready to cut. The product is uniformly early with few outside leaves. This strain is the result of years of work by a European breeder who we believe first bred and produced the Copenhagen Market.

**RE-SELECTED TESTED STOCK.** Pkt., 15c; ½ oz., 65c; oz., \$1.00.

**STANDARD STOCK.** Pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; lb., \$4.25.

**Vaughan's All Seasons.** This special Vaughan's Cabbage, although really an early is suited to every growing season. Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**All Head Early or Faultless.** Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**Early Flat Dutch.** Sure solid header; weighs 10 to 12 pounds. Even size, matures with "Early Summer," a Second Early; it stands long without bursting. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**Early Summer (New York).** Wakefield. The heads are round and flattened. Follows Jersey good, has an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

## RED CABBAGE

**Haco, Earliest Round Red (New).** This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs. each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

**DANISH RED STONE HEAD.** Hard, round, ball-shaped heads, very compact and keep well. Pkt., 10c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.15; lb., \$4.00.

**MAMMOTH ROCK RED.** A sure header of good red color to the center. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

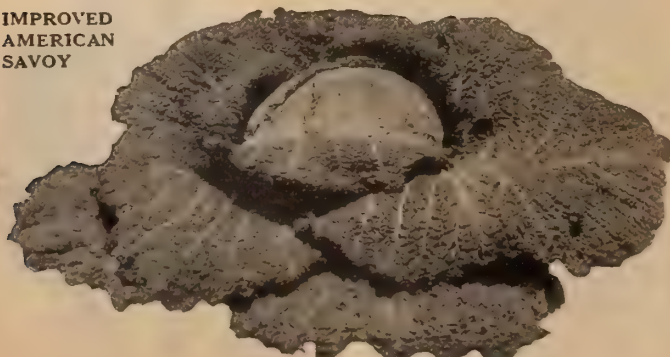
**RED DRUMHEAD.** Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

**ZENITH.** A very fine medium early sort. Not large, good quality and fine color. Pkt., 10c; oz., 35c; ¼ lb., \$1.15.

**VAUGHAN'S BLACK DIAMOND.** A new second season black-red variety. Pkt., 10c; oz., 35c; 2 oz., 65c; ¼ lb., \$1.15.

**DARK RED DUTCH.** Pkt., 10c; oz., 30c; 2 oz., 55c; ¼ lb., \$1.00.

**IMPROVED  
AMERICAN  
SAVOY**



# CABBAGES,

Early, Late and

## Health Value of Fresh Picked Cabbage

Calories per lb., 143. Vitamines A, B, C, D.

			Minerals	
			Chlorine	Iron
Proteins	1.6%	Calcium	.045%	.024%
Fats	.3%	Magnesium	.015%	.066%
Carbohydrates	5.6%	Potassium	.247%	.0011%
		Sodium	.027%	

THE earliest cabbages may be enjoyed in June from seeds sown in the house or in a hot-bed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and late varieties should be started indoors, and for fall and winter cabbages the late varieties should be started in a seed bed in May. Savoy cabbages excel in table quality and are recommended for the home garden. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with Slug Shot or spraying with Pyrox or arsenate of lead.

## Vaughan's Select Early Jersey Wakefield.

This extra early conical-shaped head cabbage is the best early for planting in the United States. Earliness and hard heading in this variety are most important to growers. Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 30c; 2 oz., 55c; ¼ lb., \$1.00; lb., \$3.50.



**EARLY  
JERSEY  
WAKEFIELD**

**New Cabbage—Golden Acre.** This is a very good selection of the Copenhagen Market type with heads smaller than our re-selected strain. The season is a trifle earlier. Very uniform. Pkt., 15c; ½ oz., 65c; oz., \$1.00.

**Charleston Wakefield.** This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; oz., 30c; 2 oz., 55c; ¼ lb., \$1.00; lb., \$3.50.

**EXTRA EARLY EXPRESS**—An oval head, large—thicker and less pointed than Jersey Wakefield; matures a short time later. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 85c; lb., \$3.00.

**EARLY WINNIGSTADT**—Sure to head, regular, conical shape, very hard and hardy, a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**SUCCESSION.** Heads large, flatter than "Early Summer," two weeks later, but more uniform. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**GLORY OF ENKHOUSEN.** An early, globe-shape, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Originator's stock. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## SAVOY CABBAGES

**IRON HEAD SAVOY.** Best of the early sorts. Round head, large and solid. Quality excellent. Pkt., 10c; oz., 30c; ¼ lb., 85c.

**MARVIN'S SAVOY.** A large solid head, very early. Pkt., 10c; oz., 30c; ¼ lb., 85c.

**IMPROVED AMERICAN.** Standard main crop sort. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Vaughan's Seed Store:

I just want to say I have never seen anything handsomer than my "Glad-ioli" from your "Rainbow" mixture last year. They were simply wonderful.

Yours Respectfully,  
Mobile, Alabama, Jan. 18, 1928.

MRS. WILLIAM VIZACA.



# ALL TYPES

## Disease Resistant

**Danish Ballhead, Tall.** From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. It has a perfectly solid head, unequaled keeping and shipping qualities, correct market size, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained, leaves deliciously tender.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.15; lb., \$4.00.

**Dutch Winter or Hollander.** Excels as a "late spring" seller. The heads averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall. Pkt., 10c; ½ oz., 20c; 1 oz., 35c; 2 oz., 60c; ¼ lb., \$1.15; lb., \$4.00.

SELECTED STOCK. Pkt., 25c; oz., 90c; 2 oz., \$1.50; ¼ lb., \$5.00.

**Dwarf Amager, or Short-Stemmed Danish Ballhead.** This variety, is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amager Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.15; lb., \$4.00.

**Vaughan's Premium Late Flat Dutch.** Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**Bridgeport Drumhead.** The best Large Fall Shipping Cabbage in existence. We introduced this variety over thirty years ago. The original type has been kept up and improved to a high degree of perfection. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**Penn State Ballhead.** A very heavy yielding strain of the short stem type of Danish Ballhead bred and introduced by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Pkt., 15c; ½ oz., 70c; oz., \$1.15; ¼ lb., \$3.50.

**LARGE LATE AMERICAN DRUMHEAD:** A selected strain in this Standard Winter Cabbage. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

**VAUGHAN'S SURE HEAD.** This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

# CAULIFLOWER

## Health Value of Fresh Picked Cauliflower

Calories per lb., 139. Vitamins A, B, C, D.

		Minerals	
Proteins	1.8%	Calcium	.123%
Fats	.5%	Magnesium	.014%
Carbohydrates	4.7%	Potassium	.222%
		Sodium	.068%
		Chlorine	.050%
		Sulphur	.086%
		Iron	.0006%

**CAULIFLOWER** is an exacting crop, yet success is easy where the conditions are right. Like radishes, this plant makes quick growth in cool weather. The amateur is likely to succeed best with plants matured in the fall. Start the first crop early in the house and transplant into rich, light soil, where plenty of water can be given; then apply regularly nitrate of soda or liquid manure. Cabbage worms may be killed by Slug Shot, Pyrox or arsenate of lead used before the heads begin to form. To bleach the heads tie up the leaves over them.

**Vaughan's New Snowball.** For early outdoor planting and forcing. A well-grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. It is dwarf in growth, and earlier than any other sort. This strain is also extensively planted for late summer and fall market. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$9.50.

**Vaughan's Earliest Dwarf Erfurt.** Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$9.50.

**Dry Weather Cauliflower.** This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. It is a very sure header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$9.50.

**Danish Snowball.** Later than Vaughan's "New Snowball." A splendid second early. Although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed. Pkt., 20c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.25.

**AUTUMN GIANT.** In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.50.

**EXTRA EARLY PARIS.** Very dwarf and early, for summer planting. Pkt., 25c; oz., \$1.50; ¼ lb., \$5.00.

**LARGE EARLY ERFURT.** This is a vigorous growing, hardy variety. The very best sort for late spring. Pkt., 10c; ½ oz., 75c; oz., \$1.35; ¼ lb., \$4.75.

**LENORMAND'S SHORT STEM.** Bears large white heads on short stems. Pkt., 10c; oz., 85c; ¼ lb., \$3.00.

## Celery Cabbage or Chinese

**Pe Tsai.** The VAUGHAN Strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well high irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time.

Pkt., 10c; ½ oz., 35c; oz., 60c; 2 oz., \$1.10; ¼ lb., \$2.00; lb., \$7.00.

## Celery Cabbage Pao Ting.

See Novelty Page 12. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

## Cabbage Yellows Disease

### Resistant.

The loss and destruction of large acreages of cabbage by the disease called yellows in the commercial growing sections of Southern Wisconsin caused an investigation by the plant pathologists of the University of Wisconsin. No claim is made of freedom or immunity from other diseases, such as clubfoot, stem rot or black rot. We list varieties in order of maturity and offer only stocks that have been tested in the diseased cabbage fields of Wisconsin and found to be 80 to 98% yellows resistant. Special prices on quantities to Market Gardeners.

**WISCONSIN COPENHAGEN.** Known as MARION MARKET. Compared with our Regular Copenhagen it is later by one week. It is the earliest yellows-resistant cabbage now on the market. Pkt., 25c; ½ oz., 90c; oz., \$1.50; ¼ lb., \$5.00.

**WISCONSIN ALL HEAD.** A yellows-resistant strain of the best early Flat headed variety. Good for kraut, market and home use. Pkt., 15c; ½ oz., 65c; oz., \$1.00; ¼ lb., \$3.25.

**WISCONSIN ALL SEASONS YELLOWS RESISTANT.** An early or kraut variety, a selection from the standard All Seasons second early variety. The large kraut growers of the United States now plant this variety almost exclusively. Originated by Prof. L. R. Jones, U. of W. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb. \$3.00.

**BUGNER.** A winter variety bred yellow-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

**WISCONSIN NO. 9.** Selected from short-stem type of Dutch Winter Cabbage, about a week earlier than Wisconsin No. 8, Wisconsin-grown. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.75.

**WISCONSIN NO. 8.** A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

**RED CABBAGE DISEASE RESISTANT.** Main crop. Pkt., 20c; ½ oz., 85c; oz., \$1.35.



THE CHINESE PE TSAI  
THE VAUGHAN STRAIN



VAUGHAN'S  
NEW  
SNOWBALL



# SWEET CORN FOR

## A Crop for the Grower

### Vaughan's Mammoth White Cory.

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—Earliness, Size, Sweetness. Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. One of the earliest; the ears are as long with two to four more rows of kernels set close, so there is no loss of space on the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination.

Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**Stowell's Evergreen.** Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. We have specialized in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's Eastern grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices for both.

SELECT EASTERN-GROWN—Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

WESTERN-GROWN, EASTERN STOCK SEED—Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

#### TWO POUNDS PREPAID

Catalog prices of sweet corn, peas and beans include prepayment to the third zone from Chicago or New York on lots up to 2 pounds. For postage charge on larger lots see page 120.

#### GOLDEN CREAM (A Late Yellow).

A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50. (Larger quantities of all Sweet Corns or other seeds at 10-lb. rate.)



**SWEET CORN** is the home garden crop. Scientists say the sugar content of such a variety as Stowell's Evergreen is 5 per cent; and within thirty minutes after it has been picked, this percentage will begin to decrease through chemical action. Only the home gardener, therefore, can enjoy it at its best, this greatest of American table delicacies. Sweet Corn may be sown earlier than field corn. May 1st is usually safe in the latitude of New York and Chicago. Fertilizer will give a good start and an early harvest.

Our special strains of Sweet Corn include Bantam Evergreen, which is

**HOWLING MOB.** A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**EARLY CROSBY.** A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long. 14-rowed, grains square, very white, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

# CELERY

## Easily Grown at Home

**CELERY** is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Where the soil is very rich they may be grown closer. Keep them growing and do not work over the plants when they are wet with dew or rain. Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

For the Home Garden—We commend Emperor and Golden Self-Blanching.

**Emperor.** A quality variety—almost in a class by itself for flavor and brittle-ness. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round (not moon-shaped). Bred especially for freedom from hollow stalks. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50.

**Easy Blanching.** A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur. Second early. Pkt., 10c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$2.00.

**SELECTED STRAIN**—Especially for market gardeners. Pkt., 15c;  $\frac{1}{2}$  oz., 65c; oz., \$1.25;  $\frac{1}{4}$  lb., \$4.00.

### Health Value of Fresh Picked Celery

Calories per lb., 84. Vitamines A, B, C, D.

		Minerals	
Proteins	1.1%	Calcium	.078%
Fats	.1%	Magnesium	.014%
Carbohydrates	3.3%	Potassium	.316%
		Sodium	.084%
		Chlorine	.156%
		Sulphur	.022%
		Iron	.0005%

### Golden Self-Blanching.

Vaughan's Selected Stock. The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfier, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. The French originators of this variety have lately introduced a re-selected strain which they are now using. It is earlier and stronger growing than the older type. We offer the two strains separately, the new type French-grown by the originators and the old type American grown.

**DWARF STRAIN.** Selected French-Grown.—Pkt., 20c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c; oz., \$1.35;  $\frac{1}{4}$  lb., \$5.00.

**TALL STRAIN.** Selected French-Grown.—Pkt., 20c;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 75c; oz., \$1.35;  $\frac{1}{4}$  lb., \$5.00.

**DWARF STRAIN.** American-Grown.—Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$2.00.

**TALL STRAIN.** American-Grown. Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$2.00.

### White Plume.

Of the white varieties this is recognized the best. Among market growers it is popular because it has excellent marketable qualities; with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

**SELECTED STOCK**—Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c; 2 oz., 75c;  $\frac{1}{4}$  lb., \$1.35.

### Giant Pascal.

The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and marketableness. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.25.



NEW  
CELERY  
GOLDEN  
PLUME

### New Celery

#### Golden Plume

IN our trials the last two seasons we have been much impressed with this new variety. A selection from or a cross with the Golden Self-Blanching, the stalks are short—the heart is large, with a protecting tuft of foliage in the middle. More vigorous than Golden Self-Blanching, it withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. It deserves a thorough trial.

Pkt., 20c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.50;  $\frac{1}{4}$  lb., \$5.00.

**WINTER QUEEN.** An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.15.

**COLUMBIA.** Season early. Plants are dwarf. Light golden heart of splendid flavor. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; 1 oz., 45c;  $\frac{1}{4}$  lb., \$1.50.

**FRENCH'S SUCCESS.** A fine keeping Winter White Celery. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

**SOUP CELERY OR SMALLAGE.** Green foliage used for soups. Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**OLD CELERY SEED.** Used for flavoring. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**BOSTON MARKET.** White and solid; very dwarf; crisp and tender. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., 95c.

**KALAMAZOO or Giant White Solid.** A tall, heavy, solid and very white late variety. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.35.



# HOME GARDENS

## to Boast About

a large Golden Bantam, produced by crossing this variety with Stowell's Evergreen; Golden Bantam, a strain larger and earlier than others; Mammoth White Cory, especially selected for early maturity; Vaughan's Earliest, the best variety for the Northern country, and Early Evergreen.

**For the Home Garden**—First early, Vaughan's Earliest; Golden 60-Day, Golden Bantam, main early crop, with Bantam Evergreen next, followed by Stowell's Evergreen, Black Mexican or by successive plantings of Golden Bantam are recommended. A very fine quality early white corn is the Mammoth White Cory, our own growing.

### Health Value of Fresh Picked Corn

Calories per lb., 459. Vitamines A, B, C, D.

		Minerals	
Proteins	3.1%	Calcium	.006%
Fats	1.1%	Magnesium	.033%
Carbohydrates	19.7%	Potassium	.113%
		Sodium	.040%
		Chlorine	.014%
		Sulphur	.046%
		Iron	.0008%

**Golden Bantam.** Now the most popular of all first early Sweet Corns and planted in nearly every garden. Golden Bantam is about a week later in season than Cory or the first earlies. The ears are borne two to a stalk, and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

**Vaughan's Bantam Evergreen.** A product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell a merchantable sized ear of corn superior in quality to any on the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

**Vaughan's Earliest.** See Novelty Page 12) Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.00.

**60-Day White.** Among the many extra early sweet corns recently introduced, this stands out because of its extreme earliness, large ear and good quality. With our Chicago market gardeners who have tried it "60 Day White" has been highly profitable. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches in length. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.

**Golden 60-Day.** See Novelty Page 12. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**Country Gentleman.** Is a late main crop variety. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.65.

**IMPROVED EARLY CHAMPION.** Two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**LATE MAMMOTH.** Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**ADAM'S EXTRA EARLY.** Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

**ADAM'S EARLY.** Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75. (Larger quantities than 10 lbs. of any kinds on this page at 10-lb. rate.)

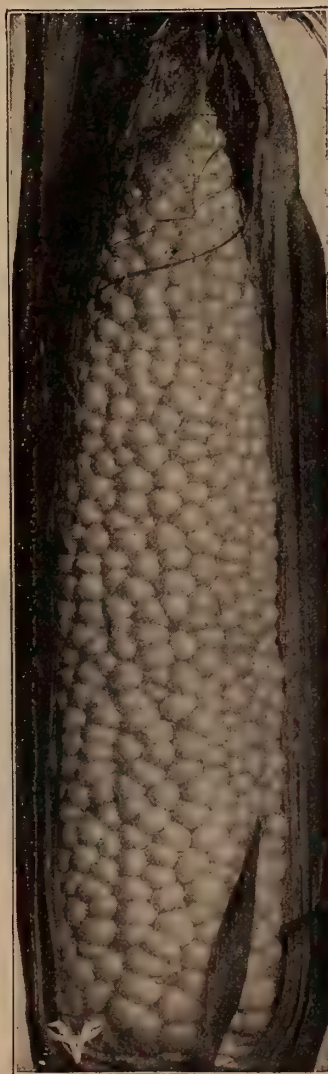
**EARLY MINNESOTA.** A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**MALAKOFF.** Replaced by Vaughan's 60-Day White. See above.

**EARLY MAYFLOWER.** In the New England States this is the earliest sweet corn of good size. White cob and kernels, as large as White Cory. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.



STOWELL'S EVERGREEN



COUNTRY GENTLEMAN

**EARLY EVERGREEN.** Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.50.



GOLDEN BANTAM

**BLACK MEXICAN.** Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to ten-rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**VAUGHAN'S BLACK SUGAR.** This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25. Any of the following, per pkt., 10c.

**EARLY MAMMOTH.** Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**WHITE EVERGREEN.** Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

(Larger quantities all Sweet Corns at 10-lb. rate.)

**SWEET CORN FOR SUCCESSION.** Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prepaid.



# ALL HOME GARDENS



BRUSSELS SPROUTS

BORECOLE—See Kale, p. 23.

**BRUSSELS SPROUTS**

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

**LONG ISLAND IMPROVED**

The most satisfactory Brussels Sprouts for American conditions; hardy, early, and a heavy yielder. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

**PARIS MARKET.** Half dwarf, excellent yielder.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**IMPROVED DWARF.**

Dwarf habit and less liable to aphid than others.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**BROCCOLI**

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

**Large White Mammoth.**

Good white heads. Pkt., 10c; ½ oz., 40c; oz., 75c.

**Purple Cape**—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c; ½ oz., 40c; oz., 75c.

**ITALIAN CALABRASE.**—Sprouting Green Italian. See Novelty Page 12.



WITLOOF CHICORY

**CORN SALAD—Field Salad**

**CORN SALAD.** (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



GARDEN CRESS OR PEPPER GRASS

**UPLAND CRESS.** Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**CURLED GARDEN.** Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

**WATER CRESS.** (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 15c; oz., 45c; ¼ lb., \$1.60.

**DANDELION.** (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. Pkt., 10c; ½ oz., 40c; oz., 75c.

Vaughan's Seed Store:

I sent for your special of 30 Bulbs of Gladioli and every one came up and big healthy plants. I am so proud of them. Thanks. MRS. J. E. UNDERFANGER, 116 W. Grand Ave. So., Springfield, Ill.

**CELERIAC—Turnip Rooted Celery**

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve *Celeriac*. The roots keep well in winter—recipes for preparing enclosed with seed.

**LARGE SMOOTH PRAGUE.** Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the main crop variety, nearly globe-shape and almost twice the size of Erfurt. We have special selected strain with a minimum of rootlets. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**LARGE ERFURT.** A standard. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**CHICORY****Witloof (French Endive).** A

European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. Pkt., 10c; oz., 25c; ¼ lb., 95c; lb., \$3.25.

Roots of above, 3 for 40c, postpaid (with forcing directions up to April 1st).

**Large Rooted Magdeburg.**

Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.60.

**CHIVES SEED.** Used for seasoning. Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



CELERIAC—Giant Prague

**CARDOON.** Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**CHERVIL DOUBLE CURLED.** Similar to Parsley, handsome for garnishing. Pkt., 10c; oz., 25c; ¼ lb., 70c.

**COLLARDS.** A variety of cabbage used in Southern States. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

**KOHLRABI**

Sow in June or July, in rows, thin to 12 inches. Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

**EARLY WHITE VIENNA.** White and tender. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**EARLY PURPLE VIENNA.** Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

**SHORT-LEAVED EARLY ERFURT.** For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

Vaughan's Seed Store:

Have never planted better seeds than those I got from you this Spring. I think about every seed grow. Hamlet, Ind., July 17, 1928. MRS. A. CHRISTOPH.

Sweeter  
Than  
Turnips



KOHL-  
RABI  
White  
Vienna



LEEK

**LARGE MUSSELBURG.** Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**BROAD SCOTCH or LONDON FLAG.** Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**ROUEN, LARGE WINTER.** Large, excellent—best of all. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**LONG MEZIERES.** One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow-white; fine flavor. Pkt., 10c; oz., 30c; ¼ lb., 80c.

**BULGARIAN WINTER.** A most desirable Leek, extremely hardy, enormous size. Pkt. 10c; oz., 35c.



# SHOULD GROW THESE

## EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"NEW YORK" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Sow Vaughan's seed. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.50.

**BLACK BEAUTY.** Is 12 days earlier than New York; for Northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. Plant Vaughan's seed. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

**"NEAPOLITAN."** A prized delicacy in Europe, proved to be well adapted to American conditions. In size it averages 3 to 3½ inches in diameter by 6 to 8 inches long. It matures about 10 days earlier than the New York or Black Beauty. Its flavor is superior. Pkt., 10c; ½ oz., 35c; oz., 60c.



**BLACK BEAUTY**—An Early variety, suitable for Northern planting

## ENDIVE

**CHICORY ENDIVE.** A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

**GREEN CURLED SUMMER.** Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**GREEN CURLED WINTER.** Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**GIANT FRINGED.** Most beautiful snow-white heart, fine delicate green fringe. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**MOSS CURLED.** Fine sort. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**EVER WHITE CURLED.** Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**BROAD-LEAVED WHITE or ESCAROLLE.** Slightly curled. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

## GARLIC SELECTED BAVARIAN

Lb., 30c; 10 lbs., \$2.00. Postage extra. Write for latest market prices on quantities.

## HORSE RADISH SETS

**ORDINARY HORSE RADISH.** Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. 100, \$2.00; 500, \$8.00; 1000, \$15.00.



**VAUGHAN'S IMP'D NEW YORK  
PURPLE EGG PLANT**

**HORSE RADISH, Bohemian.** Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets or Roots, per doz., 75c, postpaid; by express, 50 for \$1.60; 100 for \$3.00; 1000 for \$25.00.

## KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

**DWARF GREEN CURLED KALE.** Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**VAUGHAN'S EXCELSIOR MOSS CURLED KALE.** By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**TALL GREEN CURLED.** Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.



**VAUGHAN'S EXCELSIOR MOSS  
CURLED KALE**

**SIBERIAN.** Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.



**GREEN  
CURLED  
ENDIVE**



## MUSTARD

Leaves useful as salad or boiled like Spinach.

**GIANT SOUTHERN CURLED.** Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 75c.

**IMPROVED OSTRICH PLUME (Fordhook).** The handsomest of the mustards. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**WHITE,** Good for general use. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 65c.

## MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. Gathered when less than half grown. Pkt., 10c; ½ oz., 30c; oz., 50c.

## OKRA

Okra pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

**WHITE VELVET.** Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**TALL OR PERKINS MAMMOTH.** The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**DWARF.** Grows low but stocky and is very productive. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## RHUBARB

**VAUGHAN'S MAMMOTH.** Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide. Price of Seed per pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**LINNAEUS.** Seed, per pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**GOLIATH.** A popular red strain. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

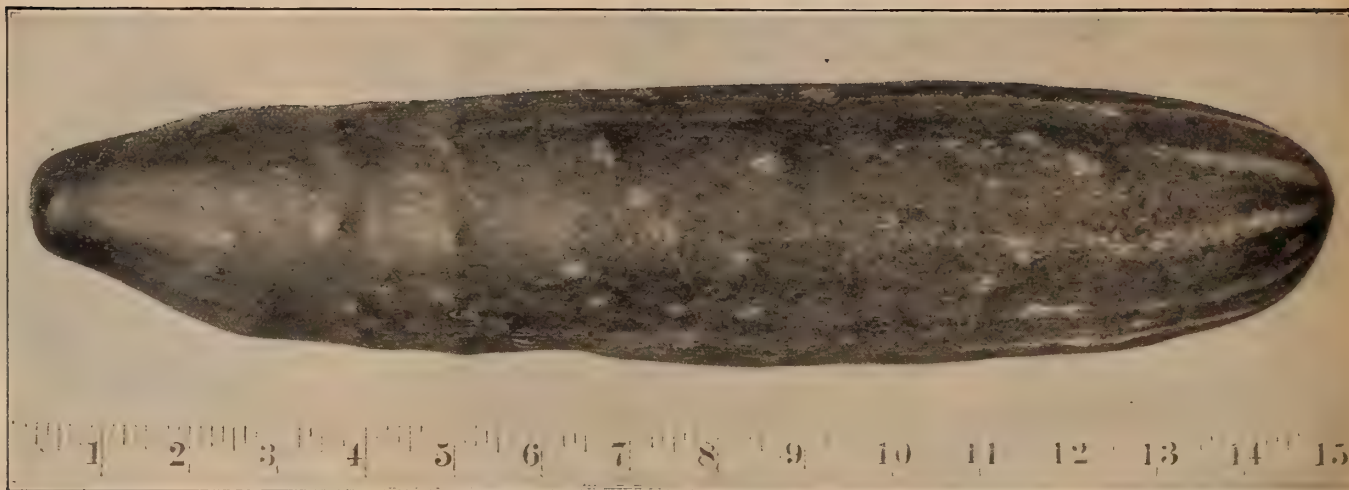
**CHICAGO GIANT.** This dwarf Rhubarb is bred for large stalks and small leaves. Pkts. only, 15c. Roots, divided clumps, 50c each.

**RHUBARB ROOTS.** Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb., 2-year, 1½ lbs.; 3-year, 2 lbs. See page 120 for zone postage rates.

1-year, each, 25c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00.



# CUCUMBERS FOR



TYPICAL FRUIT OF THE VAUGHAN CUCUMBER

## Health Value of Fresh Picked Cucumbers

Calories per lb., 79. Vitamins A, B, C, D.

Minerals			
Proteins .8%	Calcium .016%	Chlorine .030%	
Fats .2%	Magnesium .009%	Sulphur .020%	
Carbohydrates 3.1%	Potassium .140%	Iron .0002%	
	Sodium .010%		

## NEW CUCUMBER—"The Vaughan."

This is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra Long White Spine sorts. Compared to the other (Long White Spine varieties) it is much darker in color, more uniform in shape and size thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. J. C. Robinson of Waterloo, Nebraska, writes: "We have tried the Vaughan Cucumber out for two years in our trials. It certainly will displace most other kinds, in our opinion." Pkt., 15c; oz., 40c; ¼ lb., \$1.25; lb., \$4.50.



## Cucumber, Earliest of All.

A fair size, dark green White Spine. The earliest of good quality we have tried, of especial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Home gardeners who wish to have the first cucumbers in their neighborhood should try this variety.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**CUCUMBERS** are close relatives of melons, but mature in about sixty days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphids.

**For the Home Garden**—The Vaughan is the finest table cucumber for the home garden. A pickling variety, should be grown for pickles.

**Cucumber, Early Fortune.** An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Vaughan's Improved Arlington White Spine.** Is early, heavy yielding; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite. In the Southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the standard for both home and market gardens. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.60.

**Davis Perfect.** Fine length, slimmest, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**Improved Long Green.** Vaughan's strain of "Long Green" is a strain improved and developed by re-selection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor, quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine, dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**EXTRA LONG WHITE SPINE.** A great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is early, vigorous and prolific. Select Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**EARLY CYCLONE.** 3 to 4 inches long, earliest of the white spines; prolific. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**IMPROVED WHITE SPINE.** Medium size, straight, always fine yielding; light green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**ROCKY FORD (Klondyke).** White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**NEW CENTURY.** A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EMERALD.** Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**COOL AND CRISP.** Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**FORDHOOK FAMOUS**—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches. Quality superb. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

**NICHOLS MEDIUM GREEN.** Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

## ODD CUCUMBERS

**JAPANESE CLIMBING.** Grows quickly on poles or trellis, especially good for slicing and salads. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**LEMON CUCUMBER.** Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**SERPENT OR SNAKE.** A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

DAVIS PERFECT CUCUMBER  
Less Than Half Natural Size



# SALADS OR PICKLES

**Westerfield's Chicago Pickle.** Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get for our selected seed. When ripe the fruit is medium size, pointed at both ends, has large prominent black spines.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**Improved Jersey Pickle.** This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**Snow's Fancy Pickling.** This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the West. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**The Cumberland Pickle.** This is a variety of the White Spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sort, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing.

Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.



**Grow Quick.** See Novelty page 12.  
Pkt., 20c; oz., 50c.

**WEST INDIA GHERKIN.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Extra Early Green Prolific or Boston				
Pickling .....	10c	15c	45c	\$1.40
Early Cluster .....	10c	15c	45c	1.40
Early Frame or Short Green .....	10c	15c	45c	1.40

## English Frame Cucumbers

**ROLLISON'S TELEGRAPH.** English greenhouse grown, Pkt. 25c.

## VAUGHAN'S CUCUMBER SPECIALTIES

The Vaughan, Vaughan's Improved Long Green, Westerfield's Chicago Pickle, Snow's Fancy Pickling.



# GARDEN HERBS

**ANISE.** Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

**\*BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 35c.

**BASIL, Sweet.** The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 35c.

**BENE.** The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 35c.

**BORAGE.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 35c.

**CARAWAY.** Seeds are used for flavoring. Pkt., 10c; oz., 25c.

**CATNIP OR CATMINT.** Grown for bees, also for seasoning. Pkt., 15c; oz., 75c.

**CHAMOMILE (MATRICARIA CHAMOMILLA).** The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 15c; oz., 75c.

**CORIANDER.** The seeds are used for flavoring. Pkt., 10c; oz., 25c.

**DILL.** Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

Macon, Missouri.

Vaughan's Seed Store:

Had a package of Petunias from your house last year which were wonderful.

MISS IDA BOTT,

612 Madison Street

**FENNEL, Florence.** An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**\*FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

**\*HENBANE.** The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 75c.

**\*HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

**HYSSOP.** The tops and flowers are used for Hyssop tea. Pkt., 10c; oz., 30c.

**\*LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

**Lavender (Lavandula vera).** True Lavender. Pkt., 10c; oz., 75c. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

**Lavender (Lavandula spica).** Not quite so strong as above. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**MARJORAM (Sweet).** The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 25c.

**MINT.** For mint sauce and juleps. Strong pot plants Price, 3 for 65c; doz., \$2.50. By mail, add 5c each; doz., 20c.

**PENNYROYAL.** Leaves are used for seasoning. It also has medicinal properties. Pkt., 10c;  $\frac{1}{2}$  oz., 50c.

**PEPPERMINT.** The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., 25c.

**PIMPINELLA (Burnet).** The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 35c.

**ROSEMARY.** The leaves are used for seasoning. Pkt., 10c;  $\frac{1}{2}$  oz., 30c.

**\*RUE.** For medical purposes; good for roup in fowls. Pkt., 10c; oz., 65c.

**SAFFRON.** Used for coloring and for flavoring. Pkt., 10c; oz., 45c.

**SAGE (Holt's Mammoth).** The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for \$2.50; 100, \$12.00. By mail, add 5c each; doz., 20c.

**SAGE SEED.** Leaves and tops are used for seasoning and stuffing. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**SUMMER SAVORY.** The leaves and young shoots are used for flavoring, especially for boiled string-beans. Pkt., 10c; oz., 30c.

**WINTER SAVORY.** Leaves for seasoning. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**\*TARRAGON (Artemisia Dracunculus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plant only. Plants, 3 for 85c; doz., \$2.50. By mail, add 5c each; doz., 20c.

**THYME.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**WOODRUFF or WALDMEISTER (Asperula odorata).** Used in May Wine and also for perfuming clothes. Pkt., 10c.

**\*WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., 10c; oz., 35c.

Varieties preceded by (\*) are perennials



**SWEET MARJORAM**  
(Marjoram, Marjolain)



# LETTUCES, HEAD.

**L**ETTUCE has become a year-round necessity on our tables, with the discovery of vitamins and the part they play in maintaining good health. It is a crop with which the home gardener may excel as he supplies the few essentials. Leaf lettuce may be grown satisfactorily in almost any soil, and since it may be eaten with relish long before it has matured, it usually supplies the first salad of the year from the garden. Head lettuce is more difficult, but success is sure if it be started indoors, so that plants may be set out at the time leaf lettuce is sown in the open ground; always provided that the head lettuce have a rich, quick soil; that is, one which is light and warm, and very heavily manured. Water is also essential to the rapid and uninterrupted growth which produces good cabbage heads. The butter head types are best for early, and the crisp heads, such as New York, Iceberg and Mignonette for the warmer weather.

**For the Home Garden**—All Seasons and Hanson of the butter heads; Iceberg and Mignonette of the crisp heads, and Black Seeded Simpson and Prizehead of the leaf lettuces are recommended, with any of the Cos varieties, which will often succeed where the cabbage heads fail.

**Vaughan's All Seasons.** In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 65c; lb., \$2.00

**Improved Hanson.** The most reliable header for home garden. On all markets—a well known, highly approved lettuce. Globe-shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**Vaughan's Big Boston (for the South).** With Southern gardeners who ship North, many of whom plant Vaughan's seed exclusively, this is considered the best early large heading sort. North, a valuable first early. Large heads of bright green leaves which are very tender. One of the very best for forcing. Seed provided especially for us same as Simpson. **VAUGHAN'S SELECTED STOCK**—Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**California Cream Butter.** One of the best summer varieties. Heads good size and solid. Beautiful appearance, buttery flavor. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.65.

**New York or Wonderful.** This is the largest of all head lettuce, forming crisp heads often weighing two pounds. It matures slowly, first forming a conical head which becomes globular with maturity. It is of excellent quality, very sweet, and stands the hot weather well. Because of its size plenty of room must be given between plants. This variety is known in some sections as Los Angeles. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$2.75.

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days.

Always buy Vaughan's Selected Stock. Type, quality and germination of the seed make it really cheaper.



IMPROVED

HANSON

MID-SUMMER

HEAT RESISTING

VAUGHAN'S

ALL SEASONS



HEAT RESISTING

BUTTER FLAVOR

**MAY KING.** A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**WAYAHEAD.** Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden yellow, and the outer leaves light green. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**UNRIVALED.** A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

**PERPIGNAN OR SUMMER DEFIANCE.** Excels for long standing. Resists heat better than most others. Heads are large, firm and solid. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**MAXIMUM OR IMMENSITY.** A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**BLACK SEEDED BIG BOSTON.** An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**THE DEACON.** Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow; rich buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**GIANT CRYSTAL HEAD.** White, solid, extra quality. Grows enormous heads and is extensively used for exhibition purposes. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

**ST. LOUIS BUTTER-HEAD.** Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**ICEBERG.** Extremely hard heading, has finely indented leaves. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

**MIGNONETTE.** A delicious, crisp, solid, small lettuce; very hardy, stands close planting. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**SALAMANDER.** Good all seasons. Resists heat. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**TENNIS BALL.** Black Seeded. One of best standard sorts. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**TENNIS BALL.** White Seeded. (Boston Market.) A good forcer. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**WHITE SUMMER CABBAGE.** Green, very hardy, popular. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

## A PRIZE FOR POULTRY-KEEPERS

**New Chicken Lettuce.** Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**LETTUCE SEED IMPROVEMENT.** In recent years great progress has been made in the improvement by the selection and breeding of our strains of lettuce. Practically all of our varieties are now the progeny of one original "perfect" plant of the individual variety. The result is great uniformity and freedom from "rogues" or "off" plants.



# ROMAINE AND LEAF

## Health Value of Fresh Picked Lettuce

Calories per lb., 87. Vitamines A, B, C, D.

		Minerals		
Proteins	1.2%	Calcium	.043%	Chlorine .074%
Fats	.3%	Magnesium	.017%	Sulphur .014%
Carbohydrates	2.9%	Potassium	.339%	Iron .0007%
		Sodium	.037%	

## LEAF LETTUCE

**Grand Rapids.** Vaughan's selected stock. A home garden favorite, extensively planted for market. Grand Rapids Lettuce for hotbed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

VAUGHAN'S EXTRA SELECTED STOCK—Pkt., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; lb., \$2.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**Black Seeded Simpson.** Seed of this important sort is grown for us with special care. We supply many gardeners who make their living as lettuce growers. Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

VAUGHAN'S SELECTED STOCK—Saved from extra selected plants. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 65c; lb., \$2.00.

STANDARD STOCK—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



GRAND RAPIDS

### DENVER MARKET FORCING.

Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt. 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**EARLY CURLED SILESIA.** A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curled edges; an old favorite. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

### EARLY CURLED SIMPSON.

White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**PRIZEHEAD.** Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

## MUSHROOM SPAWN

**TO GROW** a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn, a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

**LAMBERT'S NEW PROCESS SPORE CULTURE SPAWN.** In this new Spore Culture spawn which has been developed in France and is now produced in America, a more vigorous and a more prolific spawn is claimed. Not only that, but types have been more definitely fixed and absolute uniformity secured. Price, Brick (weight 1 lb.), 35c; 5 bricks, \$1.50; 10 bricks, \$2.75; 25 bricks, \$5.50; 100 bricks, \$20.00.

**No. 7 BROWN (Bohemian).** A good producer of heavy mushrooms.

**No. 8 CREAM WHITE.** A mammoth strain.

**No. 9 WHITE (Alaska).** Popular market variety.

**BOTTLE SPAWN for Commercial Growers.** Per bottle, \$1.35; per carton, 12 bottles, \$12.00.

If to go by mail add postage at parcel post rate. Each brick 1 lb.



COS LETTUCE

## ROMAINE OR COS LETTUCE

**THIS** type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Many esteem this the finest of lettuces in flavor, and it is a salad of the highest quality. Home gardeners who have difficulty growing the cabbage heads will be well advised to turn to Romaine.

**Express Cos.** A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**Paris White Cos.** Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**Trianon Cos.** Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.



THE PRODUCT OF LAMBERT'S NEW PROCESS  
"SPORE CULTURE" SPAWN



# MUSKMELONS

## For All Climates



MILWAUKEE MARKET

Health Value of Fresh Picked Melons					
Calories per lb., 180.					
Proteins	.6%	Calcium	.017%	Minerals	
Fats	00%	Magnesium	.012%	Chlorine	.041%
Carbohydrates	9.3%	Potassium	.235%	Sulphur	.014%
				Iron	.0003%
				Sodium	.061%

MELONS are a long season crop requiring for their best development a sandy soil which quickly warms up, a season of 90 to 100 days growing weather, hot sun and ample irrigation. Though these conditions are best found in irrigated sections of the West, there is practically no region in the United States in which some variety cannot be successfully grown. The list offered on these pages includes all varieties of merit, and is so complete that gardeners living in every section of the country may find here a variety with which they can succeed. Seed must not be sown until the ground is warm, and in the North it will pay to start the seed in a hotbed or indoors in paper pots or in a piece of thick turf. Plant in hills, allowing ample room, and thin out the plants to four in a hill when they begin to vine. The cucumber beetle may be kept off with Slug Shot or Pyrox and aphids must be killed with a nicotine spray.

**For the Home Garden**—The varieties which are known to succeed in your locality are recommended, as many conditions enter into success with melons. Milwaukee Market is especially valuable for the home garden, growing to a large size and possessing table quality which few melons equal. The Osage type is usually easier to grow than the Gem type for an amateur.

**Vaughan's Milwaukee Market.** This seed grown by ourselves in Michigan. (See illustration.) It originated as a cross between the old Surprise and a Gem melon. For a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness. Every home gardener who can grow muskmelons should plant this. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### Rittenhouse Special.

A medium size, oval melon with prominent ribs, heavy netting, medium thick finely grained pink flesh. Its sweet, spicy flavor is present for some time both before and after maturity. Medium to early. Pkt., 20c; 1 oz., 50c; ¼ lb., \$1.50.

### Vaughan's Hoodoo or Hearts of Gold

**Introducer's Strain.** The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and Color—deep orange, extremely thick. As a Shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under favorable conditions and withstands blight better than most varieties. HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK—Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

STANDARD STOCK—Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.60.



HOODOO OR HEARTS OF GOLD

### EARLY KNIGHT or Sweet Air.

Very popular around Washington, Baltimore and Philadelphia. Being a green-fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good and, crated, stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

### MONTREAL MARKET NUTMEG.

The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

### BANANA.

Cucumber shape. Delicious odor. Pkt. 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

### IMPROVED JENNY LIND.

Vaughan's Selected Stock. Rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of its yellowish green flesh is unsurpassed. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

### MANGO MELON OR VEGETABLE PEACH.

Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c.

### TIP TOP.

A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow-fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. Selected Stock: Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

## FORCING MELONS

Highest Table Quality. Suitable for Greenhouse Growing:

BLENHEIM ORANGE. Scarlet flesh.

DIAMOND JUBILEE. Green flesh.

RINGLEADER. Green flesh.

SMITH'S IMPROVED EMERALD

GEM FORCING. Salmon flesh.

SUTTON'S SUPERLATIVE. Scarlet flesh.

TURNER'S SEEDLING. Scarlet flesh.

HERO OF LOCKINGE. White flesh.

KING GEORGE. Scarlet flesh.

Price of each pkt., 25c.

Don't overlook Vaughan's Cook Book of Vegetables. Free with every \$1.50 order for packets and ounces—if asked for on order.

### Vaughan's Paul Rose.

This is another melon introduction of Vaughan's Seed Store, and fills every requirement a first-class melon should have. Paul Rose is the result of crossing Osage and Rocky Ford, an exceptional combination of melon qualities. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; lb., \$1.50.

### Melon, Honey Dew.

An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Store a few days after picking. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.75.



(OSAGE Introduced by J. C. Vaughan)



Short Season  
and Long

## WATERMELONS



ROCKY FORD

NETTED GEM

## THE ROCKY FORD TYPE

**Rocky Ford Netted Gem.** Of the green muskmelons Rocky Ford is the recognized standard of excellence. To secure the real high-class quality possible to produce in this melon, it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons—since "like produces like"—and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at top shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

VAUGHAN'S SELECTED STOCK—Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.  
STANDARD STOCK—Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**New Cantaloupe. "Edwards Perfecto."** "Salmon-Fleshed Rocky Ford." The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rocky Ford shipping melon. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75. (Large growers write for quantity prices.)

**New Muskmelon Pollock, 10-25.** Salmon tint. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## EXTRA EARLY VARIETIES

**New Cantaloupe, Oka.** This is a variety from Canada, of Hackensack shape—a cross between Montreal Market and Banana—pink flesh and small seed cavity. It was originated by Rev. Father Athanasius, of the Trappist Monastery at LaTrappe, Quebec. It is recommended to home gardeners as a short season melon of excellent quality. Pkt., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c.

**New Melon, Golden Champlain.** It is well netted, grows to a good size, is thick fleshed and very sweet. It is recommended for latitudes where seed must be sown after May 15, and a harvest is desired in August. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Bender's Surprise.** This new melon is a large thick-fleshed, heavily netted fruit somewhat resembling our Milwaukee Market. Its flavor is wonderfully sweet with almost no stringiness. It matures early and is an excellent home garden variety. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**EXTRA EARLY HACKENSACK.** Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**VAUGHAN'S OSAGE GEM.** A real gem with salmon-colored delicious flesh. The skin is heavily netted like the Rocky Ford and the luscious salmon-colored flesh is of the highest quality. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**EMERALD GEM.** The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.



BENDER'S SURPRISE

**WATERMELONS** may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation.

**Cole's Early.** The Northern States' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notch. It is oblong-shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich and deliciously sweet. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15; 5 lbs., \$4.50.

**Kleckley Sweets.** This is an old established variety. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

**Sweet Siberian.** A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Gardeners in the North will find the Siberian a treasure. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**New Chilean.** Attractive, of medium size, nearly round, skin deep green, faintly mottled and striped, stripe of brighter shade. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**Irish Grey.** A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25; 5 lbs., \$5.00.



KLECKLEY SWEETS

**Tom Watson.** There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15; 5 lbs., \$4.50.

**SWEETHEART.** Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**VAUGHAN'S BLACK DIAMOND.** Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**CITRON.** For preserves. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**HARRIS EARLIEST.** Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**OTHER GOOD WATERMELONS** The following varieties are especially adapted to conditions in certain parts of the country. Ask market growers in your neighborhood for recommendation.

**EARLY FORDHOOK.**

**CUBAN QUEEN.**

**ICE CREAM OR PEERLESS.**

**McIVER'S WONDERFUL SUGAR.**

**RATTLESNAKE OR GYPSY STRIPED.**

**TRIUMPH.**

**FLORIDA FAVORITE.**

**ICEBERG.**

**MOUNTAIN SWEET.**

**PHINNEY'S IMPROVED.**

Any of above: Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**HALBERT HONEY.** A variety somewhat similar to Kleckley Sweets—of much darker color. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

**ALABAMA SWEETS.** A Southern favorite. Oblong in shape, dark green skin, the seed is white. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.15.

## Winter Watermelon

Size of Honey Dew, having its long keeping qualities. Very early, prolific and excellent flavor. Pkt., 10c; oz., 20c; 2 oz., 30c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**OUR FREE DELIVERY.** See inside front cover page explaining Free Delivery to first three postal zones. For 5 Cents per Pound More We Prepay to All Zones.



TOM WATSON



# ONION SEED, PLANTS,

TRUE TYPE  
BEAUTIFUL  
YELLOW  
SKIN



## Ohio Yellow Globe.

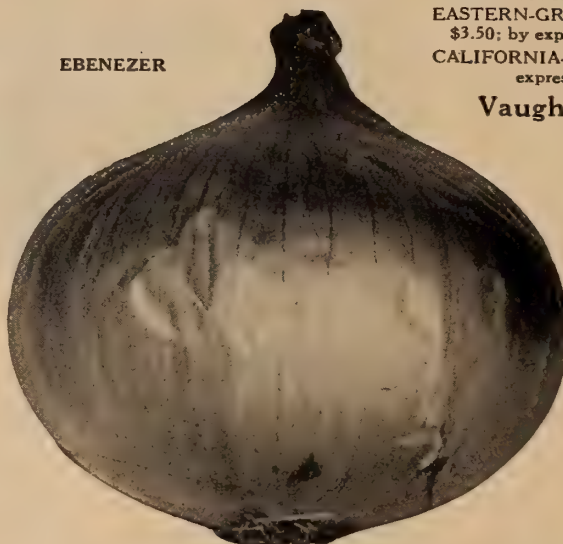
Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers.

CALIFORNIA GROWN SEED—High vitality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25; by express over 5 lbs., per lb., \$1.90.



Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you back yard Bermudas with little trouble.

EBENEZER



## ONION SETS AND PLANTS

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

WHITE BOTTOMS. Pt., 25c; qt., 40c; ½ pk., \$1.00; pk., \$1.75.

YELLOW BOTTOMS. Pt., 20c; qt., 30c; ½ pk., 80c; pk., \$1.35.

RED BOTTOMS. Pt., 20c; qt., 30c; ½ pk., 80c; pk., \$1.35.

### Bermuda Onion Plants

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern garden, to produce sweet, mature onions of Bermuda quality. Ready April 15th. Per 100, 30c, post paid. Per 1000 \$2.00 postage extra; wt., about 6 lbs.

### Health Value of Onions

Proteins		Calories per lb., 220.		Vitamines A, B, C, D.	
Fats	1.6%	Calcium	.034%	Chlorine	.021%
Carbohydrates	.3%	Magnesium	.016%	Sulphur	.070%
	9.9%	Potassium	.178%	Iron	.0006%
				Sodium	.016%

ONION SEED may be sown as soon as the ground can be prepared. If extra large onions are desired in Northern latitudes, seed may be sown in hotbeds or indoor boxes. It is best to transplant them into paper pots and allow their roots to become well established before setting them in the garden. By this method such varieties as Prizetaker and Ailsa Craig can be grown to extraordinary size. Amateurs can thus produce in their own gardens in the short Northern season, bulbs much larger than the so-called Spanish onions grown in the South and of the same mild flavor. It should be attempted only where the soil is favorable and irrigation possible. If onion seeds are sown in the open at the same time onion sets are put in the ground, the home garden may enjoy young onions from seed in midsummer, thinning out the rows for this purpose. If it is desired to mature onions for winter use and storage, one of the standard globe varieties should be chosen as they are the best keepers. The Southports, Danvers, Ohio Globe and Ideal Globe are good sorts.

**Southport Yellow Globe.** The Vaughan strain of this onion is the most uniform on the market today. It is ball-shaped and not so elongated as to make any undersized specimens seem like picklers. Our Eastern seed bulbs are hand sorted by our keeping Golden Yellow market onion. The ideal heavy yielding, long

EASTERN-GROWN SEED—Finest type; sold by us for many years. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50; by express over 5 lbs., per lb., \$3.00.

CALIFORNIA-GROWN SEED—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50; by express over 5 lbs., per lb., \$2.00.

**Southport Red Globe.** In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

EASTERN-GROWN SEED—Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50; by express over 5 lbs., per lb., \$3.00.

CALIFORNIA-GROWN SEED—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50; by express over 5 lbs., per lb., \$2.00.

**Vaughan's Ideal White Globe.** A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white.

EASTERN-GROWN SEED—Pkt., 15c; oz., 45c; ¼ lb., \$1.15; lb., \$4.25.

CALIFORNIA-GROWN SEED—Pkt., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.

**Japanese or Ebenezer.** There has been a tremendous demand for this yellow skinned Onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable Onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored.

Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**Vaughan's Special Yellow Globe.** ("MOUNTAIN DANVERS.") An early Yellow Globe, slightly smaller than Southport. It produces a fine market onion. In some seasons early aphid damages the late onion crop but does not harm this variety, due to early maturity. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### Vaughan's Special Red Globe.

Same shape, size and price as above but red.

**EARLY WHITE WELSH ONION.** The best winter bunching onions, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c; lb., \$3.00.



**EGYPTIAN OR RED PERENNIALS.** These we sell only in the Fall. Planted then, they produce very early green onions. Pt., 25c; qt., 40c; ½ pk., \$1.00; pk., \$1.75.

**WHITE MULTIPLIERS.** For First Early Spring Bunching Onions. They are pure silvery white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pt., 25c; qt., 40c; ½ pk., \$1.25; pk., \$2.00.

**SHALLOT'S OR YELLOW MULTIPLIERS.** Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; ½ pk., 80c; pk., \$1.35.

**YELLOW POTATO ONION SETS.** Grown for young onions. Pkt., 25c; qt., 40c; ½ pk., \$1.25; pk., \$2.00.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.



# SETS OF ALL TYPES

**Prizetaker—American Grown.** Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Large Red Wethersfield.** An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Fancy Yellow Globe Danvers.** This onion is a standard among the large types; it is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Ailsa Craig—Vaughan's Selected Stock.** It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thick neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.15; lb., \$3.50.

**Giant Gibraltar.** A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strain runs slightly larger in size than the usual run of Prizetaker. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$3.00.

**Riverside Sweet Spanish** This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4 $\frac{1}{2}$  pounds. Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**Yellow Globe Danvers.** Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**Yellow Flat Danvers.** A standard onion with many splendid qualities; a valuable general crop sort. It is of a medium size, quite thick through, but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines large yield with very even ripening quality. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Mammoth Silver King.** Averages 15 to 22 inches in circumference and weighs 2 $\frac{1}{2}$  to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$3.00.

**Crystal White Wax.** This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Tenerife seed. Pkt., 15c; oz., 60c;  $\frac{1}{4}$  lb., \$1.40; lb., \$4.50.

**White Bermuda.** In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**AILS CRAIG**

**A SURE  
PRIZE WINNER**



LARGE RED

WETHERSFIELD

## FLAT AND MISCELLANEOUS

**EXTRA EARLY FLAT RED.** One of the handsomest red onions, and will ripen two weeks earlier than other strains. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**BROWN AUSTRALIAN (Flat).** A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**WHITE PORTUGAL OR SILVERSKIN.** This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**GOOD  
PICKLER**

**FINE  
KEEPER**



WHITE PORTUGAL

### ITALIAN ONION SEED

**VAUGHAN'S PICKLING.** One of the best white onions for pickling; it is small, round hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

**WHITE QUEEN.** Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$3.00.

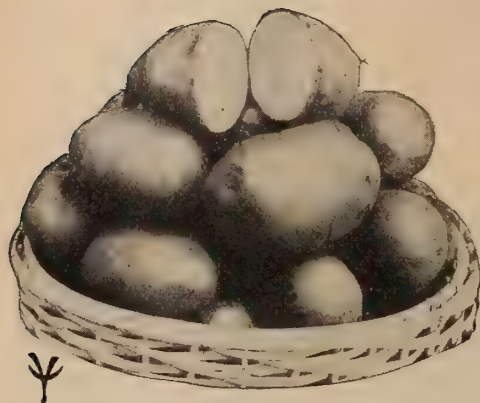
**WHITE BARLETTA.** Beautiful waxy white. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$3.00.

**STRASBURG OR YELLOW DUTCH.** Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.



# SEED POTATOES

Grown in the North



VAUGHAN'S IMPROVED EARLY OHIO

FOR more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

**Certified Stock.** We offer Michigan and Minnesota certified potatoes in several instances. Such stock has been inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and is from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed and is recommended where certified is not to be had.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

Success with potatoes in the home garden requires a rich fairly light soil, not limed and free from fresh manure. Fertilizer strong in potash should be applied and spraying should be done thoroughly. The early varieties may be sown as soon as the soil can be prepared. The first spraying, with Bordeaux Mixture or Pyrox, should be given when the sprouts are a few inches high. They should be sprayed at regular intervals thereafter, mixing arsenate of lead with Bordeaux to kill beetles and nicotine sulphate to kill aphids and leaf hoppers. Keep insects in control and potatoes growing.

**For the Home Garden**—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural type is recommended for the late crop.

**Vaughan's Improved Early Ohio (Red).** A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. In the Middle West Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

½ pk., 50c; pk., 80c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

**Irish Cobbler—Early Heavy Cropper.** An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota, and is superior to strains grown elsewhere.

½ pk., 50c; pk., 80c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50. CERTIFIED STOCK, ½ pk., 65c; pk., 95c; ¼ bu., \$1.50; bu., \$2.60; 100 lbs., \$4.00.

**Woodbury's White Rose (Early).** A splendid early potato. A seedling from "Early Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The vines are vigorous and resist early blight, and the yield is large.

½ pk., 65c; pk., 95c; ½ bu., \$1.50; bu., \$2.60; 100 lbs., \$4.00.

**Rural New Yorker, No. 2.** Very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural.

½ pk., 50c; pk., 80c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

**Russet Rural or Petoskey.** A superb late variety. Remarkable on account of its freedom from disease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities.

CERTIFIED STOCK ½ peck, 65c; pk., 95; ½ bu., \$1.50; bu., \$2.60; 100 lbs., \$4.00.

**Carman No. 3.** One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail.

½ pk., 50c; pk., 80c; ½ bu., \$1.25; bu., \$2.25; 100 lbs., \$3.50.

**Green Mountain.** Late, maturing in 140 days. It is a drouth resister and makes remarkable crops on poor soils. A loose soil is recommended. In loam it produces tubers of large size and attractive appearance, white fleshed. It is very free from disease.

CERTIFIED STOCK, ½ pk., 65c; pk., 95c; ½ bu., \$1.50; bu., \$2.60; 100 lbs., \$4.00.

## SWEET POTATOES

Grown Especially for Seed

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, and Southern Queen.

**Yellows.** 10 lbs., \$1.35; 50 lbs., \$4.25; 100 lbs., \$8.00.

**Reds.** 10 lbs., \$1.65; 50 lbs., \$5.50; 100 lbs., \$10.00.

N. B.—Owing to perishable nature of these tubers we ship by express only.

# PUMPKINS

For Pies and Other Purposes

LIKE melons, squash and cucumbers, pumpkins should be sown when the ground is warm and the plants need plenty of room to ramble. The partial shade of the sweet corn plot is an ideal place in the home garden. A few hills will provide amply for pies and jack-o'-lanterns for the fall festivals.

**Vaughan's Small Sugar Pie Pumpkin.** (See cut.) Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more;" the seed cavity is small.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

**Vaughan's Mammoth Prize.** A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late corn season to mature, needs plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**Winter Queen or Winter Luxury.** Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting as russetty as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

## GOLDEN OBLONG.

Flesh yellow, Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

## SWEET POTATO.

Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

## LARGE TOURS OR

M A M M O T H FRENCH. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

## CALHOUN.

A fine pie variety. Pkt. 10c; oz. 15c; ¼ lb., 45c; lb., \$1.50.

## LARGE CHEESE.

Large, flat like a cheese box; very productive. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## LARGE FIELD OR "BIG TOM."

The standard pumpkin grown in corn fields to make a feeding crop for cattle. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## JAPANESE PIE.

Finest quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



VAUGHAN'S SMALL SUGAR PIE PUMPKIN

**QUAKER PIE.** Pear-shaped. Rich flavor and good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**CUSHAW WHITE OR CUSHAW STRIPED.** Popular Southern sorts; fine flavor. Either one: Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



# PEPPERS, MILD OR HOT

## Health Value of Fresh Picked Peppers

Calories per lb., 109. Vitamines A, B, C, D.

			Minerals	
Proteins	1.1%	Calcium	.006%	Chlorine .013%
Fats	.1%	Magnesium	.010%	Sulphur .014%
Carbohydrates	4.6%	Potassium	.139%	Iron .0004%

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family.

**Vaughan's Giant Magnum Dulce.** This fine pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size. Seven inches long and 4 inches through, but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

**New Sweet Upright Salad.** Is an early, prolific, good sized, sweet, mild pepper; so mild indeed that it may be eaten raw. In the Northern States it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxy red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

**Crimson Giant, Early Pepper.** An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75.

**Chinese Giant.** This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75.

HARRIS EARLY GIANT

VAUGHAN'S MAGNUM DULCE  
THE LARGEST OF ALL.

PEPPER

Ask for  
Our Special  
Plant  
Circular

**Harris' Early Giant.** This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches to 2 feet tall; and the peppers 3½ by 5 inches. Color, deep green turning to red; flesh thick and very sweet.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.75.

**Hungarian.** A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and tapers to a point. The fruits are often 10 inches long, and are a pale green turning to a rich red at maturity.

Pkt., 15c; ½ oz., 75c; oz., \$1.25; ¼ lb., \$4.00.

**World Beater.** A large sort, a cross between Chinese Giant and Ruby King, having the longer shape and earliness of the latter with the size of the former. Fruits 5 inches long by 3½ in diameter; flesh thick and mild; very productive and a good shipper.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

**RUBY KING.** One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

**BULL NOSE, Hot.** A pungent very early pepper. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

**PIMENTO.** Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully. Pkt., 10c; ½ oz., 30c; oz., 60c; ¼ lb., \$1.75.

**LARGE BELL.** Large blocky fruit, usually mild. Popular with home gardeners. Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

**CAYENNE.** Long, red and very hot. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**VAUGHAN'S SWEET MOUNTAIN** The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

## OTHER PEPPER SORTS

**NEAPOLITAN.** Early and productive. Flesh thick and mild. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**SWEET SPANISH MONSTROUS.** Price of the above except where noted: Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

**MAMMOTH GOLDEN QUEEN.** Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

**TABASCO.** Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

**RED CHILL.** Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.



# PEAS, EARLY,

## Early Dwarf



LITTLE MARVEL

**HORSFORD'S MARKET GARDEN.** Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**JUNO OR DWARF CHAMPION.** Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 10 peas of very best quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**VAUGHAN'S SWEET MARKET.** An excellent main crop pea. Its season follows right after the "Extra Early" and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet; strong, vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**McLEAN'S ADVANCER.** Is a favorite with market growers and canners who consider it the best producer of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

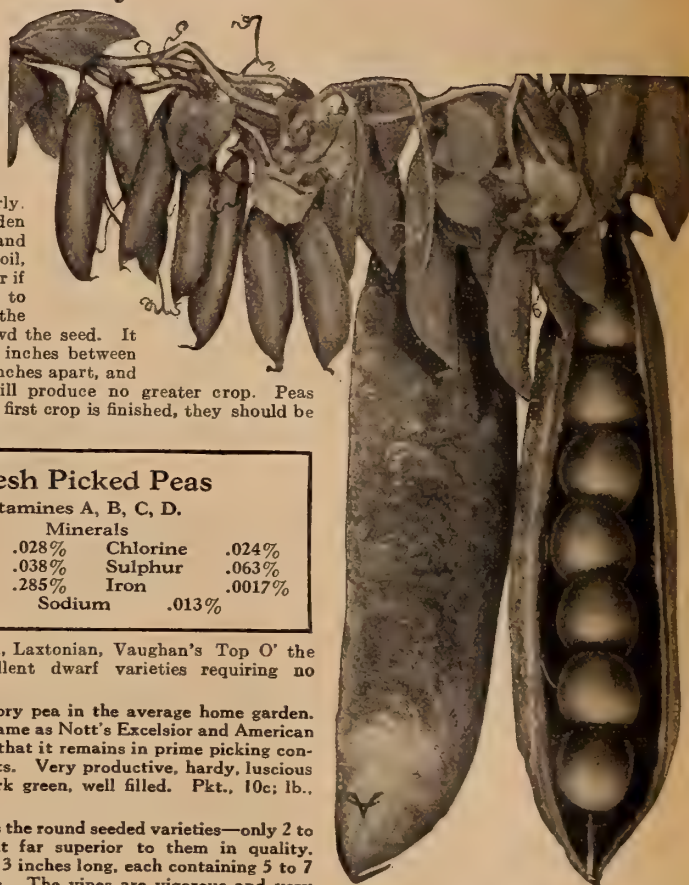
**DWARF TELEPHONE OR DAISY.** A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

Vaughan Seed Store:

Ponderosa and John Baer tomatoes do well on Canadian soil. I have grown them for 2 years. Some of the Ponderosa measuring 14 inches around.

MRS. J. FONSTAD,  
Mount Green, Sask., Canada.

**PEAS** are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will put to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.



DWARF DEFIANCE

### Health Value of Fresh Picked Peas

Calories per lb., 454. Vitamines A, B, C, D.

Minerals			
Proteins	7.0%	Calcium	.028%
Fats	.5%	Magnesium	.038%
Carbohydrates	16.9%	Potassium	.285%
		Sodium	.013%
		Chlorine	.024%
		Sulphur	.063%
		Iron	.0017%

**For the Home Garden**—Little Marvel, Laxtonian, Vaughan's Top O' the Morn and American Wonder are excellent dwarf varieties requiring no support and yielding well.

**Little Marvel.** The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Nott's Excelsior.** Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**Laxton's Progress.** The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Blue Bantam, Hundredfold, Pioneer and Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**Laxtonian.** The New Dwarf Gradus. This is another of Vaughan's specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productivity. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**American Wonder.** Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**New Pea "Eight Weeks."** A majority of the gardeners, both home and market, are now favoring the dwarf peas—their small vines require no brushing or poles and permit planting between other crops like tomatoes, thus conserving space. In yield, too, they average well, only slightly less than the heaviest yielding taller sorts. "Eight Weeks" is one of the very shortest vined peas, growing only 8 to 10 inches in height. The quality is excellent. Season earlier than "Nott's Excelsior" or "American Wonder" and just as heavy a yield. An ideal early kitchen garden sort. The garden affords no greater "luxury" than the first early fresh green peas right from the vine. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Vaughan's "Top O' the Morn."** This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm, a week later than Laxtonian. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Extra Early Premium Gem or Little Gem.** An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 107.

### VAUGHAN'S DWARF DEFIANCE.

Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**IMPROVED STRATAGEM.** Long dark green pods, produced on vines 2 feet high, of strong, vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**SUTTON'S EXCELSIOR IMPROVED.** Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.



# SWEET, TENDER

## Early Brush



THOMAS LAXTON

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The early varieties listed on this page grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of the finest table quality.

For the Home Garden—Maud S. and Alaska for the smooth-seeded sorts and Gradus and Thomas Laxton of the wrinkled type are excellent varieties.

**Gradus—Vaughan's Re-selected Stock.** Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Vaughan's Select Extra Early** (First and Best) (Maud S.) Pedigree Extra Early Vines are 20 to 26 inches high, pods  $2\frac{1}{2}$  to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness of Vaughan's Maud S. are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**Thomas Laxton.** This is a selection of Gradus. The season is identical with Gradus, but the pods are square at the end and deeper green. Vines are 3 to  $3\frac{1}{2}$  feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Alaska—Called Earliest of All.** In season same as "Maud S." Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**THE AMEER.** Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**SURPRISE—The Earliest Pea of Quality.** In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S. because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

GRADUS  
PEA

**MARKET SURPRISE—A New Extra Early Pea.** A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameer, filled with wonderfully sweet, fine flavored peas. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.65.

## TALL GROWING PEAS

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yield, and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

For the Home Garden—Improved Telephone and "Quite Content" will give peas of a size and quality sure to win the envy of your neighbors and the prizes at the garden show.

**Vaughan's Improved Telephone.** Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Admiral Beatty.** A very desirable mid-season or early main crop variety. Vines are about four feet high, dark green in color, and produce abundantly large pods well filled with eight to ten peas.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Champion of England.** This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**"Quite Content."** This is the largest podded pea, the pods being 5-6 inches in length. It is later than "Vaughan's Improved Telephone;" the vines grow 5 to 6 feet high. They yield large peas of fine flavor. A splendid exhibition sort.

Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**Alderman.** This mid-season pea is tall-growing of English origin, and a few days later than "Vaughan's Improved Telephone." Exceedingly vigorous and immensely prolific.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.75.

**Everbearing.** For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**Yorkshire Hero.** An old standard variety; vines medium tall, produces a fine crop of broad, well filled pods.

Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**BLACK-EYE MARROW-FAT (Late).** A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**WHITE MARROWFAT.** Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

### EDIBLE POD PEAS

(Cooked like String Beans)

**MAMMOTH PODDED SUGAR.** A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.00.

**DWARF GRAY SUGAR.** Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

Three tall-growing sorts to be planted at the same time to mature successively.

**GRADUS  
IMPROVED TELEPHONE  
CHAMPION OF ENGLAND**

1 pkt., each of above, 25c, post-paid.

1 lb., each (3 lbs.) of above, \$1.10, Exp. not prepaid.

2 lbs., each (6 lbs.) of above, \$1.90, Exp. not prepaid.

10 lbs., each (30 lbs.) of above, \$7.25, Exp. not prepaid.



"QUITE CONTENT"



To Please the Eye and  
Taste as Well, Grow

# PARSLEY



VAUGHAN'S  
XXX  
PARSLEY

## Soup Plants

Fresh vegetables for soup stocks are one of the luxuries of the home garden. Besides Parsley, Parsnip and Carrots, Leek—the Scotch standby—should be tried. The tops of the Celery furnish a fine celery flavor as a by-product to the roots.

**PARSLEY** is one of the vegetables a housewife values most highly in the garden. It is always in demand for garnishing dishes, and often valuable for flavoring soups and stews. It should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. The parsley will not appear until the radishes are ready to harvest.

Rich and mellow soil is desirable for best results with parsley. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will start which will be brighter and better curled. Similar treatment may be given from time to time.

The rooted parsley provides excellent flavoring for soups and stews, and also leaves which may be used for garnishing though not so finely curled.

**Vaughan's XXX Parsley.** "The most beautiful Parsley that ever garnished a dish." An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**Vaughan's Champion Moss Curled.** In England this is a prize winning variety.

Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes.

For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**FERN LEAVED.** Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**PLAIN or ITALIAN.** The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HAMBURG ROOTED or GERMAN.** The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. Our strain is of exceptional quality. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**DOUBLE CURLED.** A very fine dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## Vaughan's Specials

We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

# PARSNIPS

For a Harvest Which  
Lasts All Winter

**PARSNIPS** should be grown in every home garden not only because of their delicious flavor, but because they may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide.

**Vaughan's Marrowfat Parsnips.** The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c.

**Magnum Bonum.** Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

**Hollow Crown, Long Smooth.** (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c.

**Improved Guernsey.** An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c.

**Vaughan's New Intermediate.** This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

## Health Value of Fresh Picked Parsnips

Calories per lb., 294. Vitamins A, B, C, D.

		Minerals	
Proteins	1.6%	Calcium	.059%
Fats	.5%	Magnesium	.034%
Carbohydrates	13.5%	Potassium	.518%
		Sodium	.004%
		Chlorine	.030%
		Sulphur	.036%
		Iron	.0006%



VAUGHAN'S MARROWFAT—Handsomest and Best



# SPINACHES

## New Sorts Slow To Seed

### Health Value of Fresh Picked Spinach

Calories per lb., 109. Vitamines A, B, C, D.

		Minerals			
Proteins	2.1%	Calcium	.007%	Chlorine	.074%
Fats	.3%	Magnesium	.037%	Sulphur	.038%
Carbohydrates	3.2%	Potassium	.774%	Iron	.0036%
		Sodium		.125%	

**SPINACH** delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

### Long Standing Spinach King of Denmark. (Antvorskov)

In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**Princess Juliana.** This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious, i. e.; these are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

### Virginia Savoy Yellows or Mosaic Disease Resistant.

A variety originated by the Virginia Truck Experiment Station, a cross between Resistant Bloomsdale Savoy and Manchurian. This is a cool weather variety, for winter in the South and fall in the North. The leaves have markedly the Savoy characteristics.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**Vaughan's Triumph Spinach.** Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warty, and fine and tender when cooked.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

### New Zealand Spinach (Tetragonia Expansa).

While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

### 12 VEGETABLES GIVING GREATEST RETURNS

Beans. Stringless Greenpod.	OFFER	Onion. White Globe.
Beets. Vaughan's Fire Ball	12	Parsley. Vaughan's XXX.
Carrot. Early Chantenay.	Varieties.	Radish. White Tip "Sparkler."
Sweet Corn. Golden Bantam.	One pkt.	Radish. Icicle.
Cucumber. Davis Perfect.	each,	Swiss Chard.
Lettuce. Black Seeded Simpson.	prepaid,	Tomato. Bonny Best.
	\$1.00.	



Swiss Chard  
should be grown  
in  
every Home Garden.

SWISS CHARD



NEW LONG STANDING SPINACH "ANTVORSKOV"

**Bloomsdale Long Standing.** Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

### BLOOMSDALE OR NORFOLK SAVOY-LEAVED.

Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

### EXTRA LARGE ROUND LEAF.

Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

**LONG STANDING.** Of compact growth with thick deep green leaves Slow to seed.

**PRICKLY-SEEDED.** Very hardy; sow in fall; for late use.

**MONSTROUS-LEAVED VIROFLAY.** Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

### Vaughan's Giant Fillbasket.

The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

### Victoria Spinach.

Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

# SWISS CHARD

The City Gardener's Friend

### Swiss Chard — "Cut and Come Again."

This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all Summer when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

### LUCULLUS SWISS CHARD.

A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

### COOPER'S MAMMOTH.

This new mammoth sort is a medium green-colored variety of immense size—large chard or mid-rib of excellent quality and flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

### LYON SWISS CHARD.

A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

### GARDEN SORREL.

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.



# RADISHES FOR SPRING.



VAUGHAN'S SELECT SCARLET GLOBE

## (F)—Forcing Sorts

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish—runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

**Giant Butter.** This is by far the largest of the early turnip radishes exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine, round shape. In color it is vivid scarlet. It is further characterized by ability to stand for an unusually long period without becoming pithy and is highly recommended for home gardens. Pkt., 10c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb., \$1.40.

**Vaughan's 20-Day.** Extra Early (F) Olive-Shaped. The quickest Red Olive-shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb., \$1.40.

**Improved Breakfast (F).** An excellent early olive-shaped radish about 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.25.

**Olive-Shaped Deep Scarlet.** Similar to Vaughan's 20-day. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.25.

**Vaughan's Cardinal Forcing (F).** Is a splendid marketing radish; of the Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent. Pkt., 10c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb., \$1.40.



VAUGHAN'S  
20-DAY

**TRIUMPH.** A very early, handsomely mottled red and white striped, short topped radish of good quality, especially attractive. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb., \$1.25.

**EARLY SCARLET GLOBE WHITE TIP.** Best and quickest of the white tips; fine quality. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb., \$1.25.

**NON PLUS ULTRA (F).** Scarlet turnip-shaped. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.10.

## OTHER GOOD RADISH KINDS

Price, any of the following: Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.10.

**FRENCH BREAKFAST.** Quick and handsome.

**EARLY DEEP SCARLET TURNIP.** An old standby.

**YELLOW TURNIP.** A summer variety.

**GOLDEN YELLOW SUMMER Turnip.** Smooth.

Onion Sets, producing the succulent "Early Green Onion," is the one crop which offers quicker returns than radishes in the garden—page 30.

**RADISHES** supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather.

## Health Value of Fresh Picked Radishes

Calories per lb., 133. Vitamines A, B, C, D.

		Minerals			
Proteins	1.3%	Calcium	.021%	Chlorine	.054%
Fats	.1%	Magnesium	.012%	Sulphur	.041%
Carbohydrates	5.8%	Potassium	.218%	Iron	.0006%
		Sodium			.069%

**Early Scarlet Globe Forcing (F).** Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright, scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

VAUGHAN'S SELECT STOCK—Pkt., 15c; oz. 25c;  $\frac{1}{4}$  lb. 45c; lb., \$1.40.

STANDARD STOCK—Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb., \$1.00.

**Scarlet Turnip White Tip.** Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

VAUGHAN'S "SPARKLER" STRAIN FOR OPEN GROUND—Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.25.

AMERICAN-GROWN—Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb., \$1.00.

**Saxa.** This is an European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb., \$1.40.

**Earliest White Turnip or White Box.** Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.10.

**CRIMSON GIANT (F).** For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.25.

**VAUGHAN'S ALL SEASONS.** May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.10.

**EARLIEST WHITE OLIVE (F).** Earliest of all radishes—matures in

15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb., \$1.25.

## EARLIEST CARMINE TURNIP

(F). The best and quickest all-red turnip-shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. Crisp, sweet and tender, leaves very short. Pkt., 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb., \$1.25.

Giant Butter is the largest early globe, and does not turn pithy soon. Fine for home gardens.



SCARLET TURNIP, WHITE TIP  
"SPARKLER" STRAIN



# SUMMER AND WINTER

They may be stored like turnips for winter use.

Root maggots sometimes attack radishes. The best way to avoid them is to reject rank manure for the radish bed and sow on ground where no root or cabbage crop grew the year before. A succession of crops may be obtained either by sowing the olive or globe or long types simultaneously, or by making successive sowings of a favored variety, remembering that little success will be had with earlier sorts in the hot weather.

**Iceicle—The Finest White Radish.** An ideal white radish—long slender root which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

## HALF LONG DEEP SCARLET (F).

This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

## BRIGHTEST LONG SCARLET.

This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

**VAUGHAN'S MARKET.** (Half-Long White.) The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

**CINCINNATI MARKET.** A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.



EARLY LONG SCARLET SHORT TOP

**Early Long Scarlet Short Top.** A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

## SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.10.

**IMPROVED CHARTIER.** Somewhat resembling Brightest Scarlet. It is double the size and later; long scarlet tipped with white.

**WHITE STRASSBURG.** Larger size and thicker than Vienna. Very solid.

**LONG WHITE VIENNA.** Snow-white, very brittle and crisp.

**WHITE STUTTGART.** A turnip-shaped, large white radish.

## MAY RADISHES

This late class is very popular in Europe and should be grown more in this country.

### Olive Crystal

Vaughan's "Olive Crystal" is the sweetest of all Summer Radishes. Our illustration shows the type well; note the smoothness and clearness of the skin, giving it a great advantage in beauty over such Summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality; the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut.

Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of this quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. Price, Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

### Oval Yellow

A late variety, of excellent quality and attractive appearance. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c.



OLIVE CRYSTAL

## (F)—Forcing Sorts

The early or forcing Radishes must have short or minimum tops so that all of the efforts of the plants are used to produce roots in the shortest possible time. This has been accomplished by careful breeding and the selection of those parent plants which transmit this characteristic. Continuous selection and transplanting so in speciation of each plant is possible is necessary to produce the better strain. Vaughan's Early Radishes are so selected, and grown in those parts of the world where environment is favorable.



ICICLE RADISH

## WINTER RADISHES

Do not sow these until the latter part of June.

**THE MUNICH.** The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50. Each of the following: Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**CALIFORNIA MAMMOTH WINTER.** Long, very large size.

**ROSE OR SCARLET CHINA.**

Rose, medium size, fine keeper.

**CHINESE MAMMOTH OR CELESTIAL.** Immense size, flesh always crisp and mild.

**BLACK SPANISH, LONG.** Black skin and white flesh.

**BLACK SPANISH, ROUND.** Like Long Black, only round.

**LONG WHITE SPANISH.** Like Long Black, except color.

**LONG HALF BLACK WINTER.** Fine sort.

**SAKURAJIMA.** A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

# OYSTER PLANT

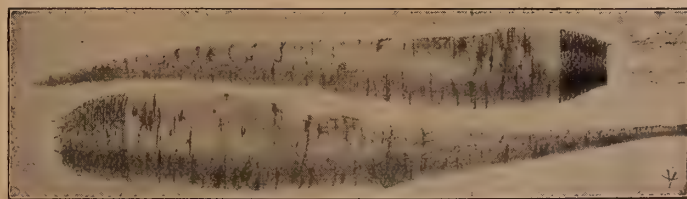
**THOUGH** not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

**Mammoth Sandwich Island.** This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$2.75.

**Long White Salsify.** Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$2.75.

**Scorzonera, or Black Salsify.** Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c.

**Rampion—A New Salad.** Both the roots and leaves make a delicious salad. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 30c; 2 oz., 55c.



SALSIFY, MAMMOTH SANDWICH ISLAND



# SWEETER SQUASHES



NEW SQUASH "TABLE QUEEN"

**New Squash "Kitchenette" (Hubbard).** A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. In season they are two weeks earlier than the Hubbards and still yield in gross tonnage as well as the other varieties. There are many points of value in a small squash.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Golden Hubbard.** Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season, but keep in fine condition through the winter. The skin is deep orange yellow and very attractive. Flesh is deep golden yellow, fine grained and delicious.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**Original Hubbard Squash.** Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be held in good condition until spring.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**Vaughan's Chicago Warted Hubbard.** Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark green in color. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong, robust growth, fruit is large, good shape, heavily warted, flesh is bright orange, fine grained, rich and dry.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.65.

**YELLOW SUMMER CROOK-NECK.** The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.

**EARLY WHITE BUSH.** Very early. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.35.

**MAMMOTH YELLOW BUSH.** Like Mammoth White Bush. The fruit runs a little larger. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**EARLY YELLOW BUSH.** A true bush, though of an earlier and smaller strain than the above. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**BOSTON MARROW.** Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**MAMMOTH CHILI.** A popular exhibition sort. Specimens grow as large as 150 pounds. Rich orange yellow color. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; 1 lb. \$2.00.

**FORDHOOK—Early.** Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**CHICAGO ORANGE MARROW.** Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**PIKE'S PEAK OR SIBLEY.** A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**DELICATA.** Orange-yellow, mottled with spots and stripes of dark green. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**FAXON'S BRAZILIAN.** Early, long keeper, a sort that sports, average quality. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**ESSEX HYBRID—Turban Shape.** For fall or winter; large broad fruit; skin and flesh orange-red. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**BUSH FORDHOOK SQUASH.** A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## Health Value of Fresh Picked Squash

Calories per lb., 209. Vitamins A, B, C, D.

		Minerals	
Proteins	1.4%	Calcium	.024%
Fats	.5%	Potassium	.180%
Carbohydrates	9.0%	Magnesium	.012%
		Iron	.0006%
		Sodium	.004%

**SQUASH** are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts.\* The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

## New Squash Table Queen, "Des Moines."

We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen, baked and buttered. The enthusiasm of customers entitles it to the place among squashes accorded to "Golden Bantam" in sweet corn. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over twenty minutes for baking or boiling. A good way to prepare is to cut in half, place a lump of butter on one half, top with the other and then bake whole. This squash is ready before the Hubbards and yet stores equally well. The color is dark green changing to bright golden after picking and storing. The meat is dry and meaty. It yields enormously—a few hills furnishing an ample supply for a good sized family.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.



NEW SQUASH SWEET POTATO

**"Sweet Potato."** A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Vaughan's Giant Summer Crookneck.** Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**Vegetable Marrow.** This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.65.

**Cocozelle (Italian Vegetable Marrow).** A bush summer variety. Fruits oblong, ribbed, 12-16 inches in length. Color dark green marbled with yellow and dark green stripes. Very fine flavor.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**Zucca Pergola.** A vegetable marrow which grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**New Italian Marrow.** See Novelty Page 12. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

**The Delicious—For Quality.** A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color.

Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.60.

**Mammoth White Bush.** Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.40.



# TABLE TURNIPS

## Health Value of Fresh Picked Turnips

Calories per lb., 178. Vitamines A, B, C, D.

		Minerals			
Proteins	1.3%	Calcium	.064%	Chlorine	.041%
Fats	.2%	Magnesium	.017%	Sulphur	.065%
Carbohydrates	8.1%	Potassium	.338%	Iron	.0005%
		Sodium	.056%		

**T**URNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

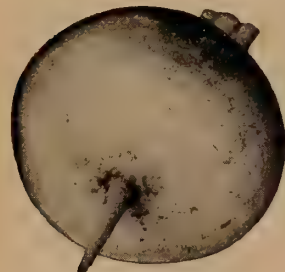
A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

**For the Home Garden**—Any of the table turnips and rutabagas listed on this page will be found satisfactory.

**Purple Top White Globe.** Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tiptop for stock.  
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$3.75 (by express).

**Extra Early Purple Top Milan.** An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best.  
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

**Purple Top Strap-Leaved.** Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.  
Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.00 (by express).



PURPLE TOP MILAN



WHITE FLAT DUTCH

**EARLY WHITE MILAN** is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

**GOLDEN BALL or ORANGE JELLY.** Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**YELLOW STONE.** Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**TELTOW.** Small in size; a German delicacy of remarkable quality. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.00.

**WHITE FLAT DUTCH.** A very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern States; is medium sized, sweet, tender and desirable for table use. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**EARLY SNOWBALL.** Small, white, grows quickly, splendid table quality. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**SEVEN TOP.** A variety much grown in the South for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**LARGE YELLOW or AMBER GLOBE.** Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

## TABLE RUTABAGAS

**Vaughan's Improved American Purple Top** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality.  
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c; 5 lbs., \$3.25.

**Bangholm Danish.** Yellow flesh, purple top with small neck. This variety has excellent table quality and is recommended for home gardeners. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

Prices of the following: Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**LAING'S GARDEN RUTABAGA.** Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

**WHITE SWEDE.** White, solid.  
**SWEET GERMAN.** A fine table sort, white flesh, excellent keeper.

**SUTTON'S CHAMPION.** Round, big yielding, yellow flesh. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**BREADSTONE.** Medium size, white roots. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**CARTER'S IMPERIAL.** Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**SKIRVING'S.** Large yellow. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

EARLY  
PURPLE TOP  
STRAP-  
LEAVED

## SWEDES AND RUTABAGAS—for Stock

**Monarch.** A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede.  
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**Rhode Island Rock.** Great improvement on White French Turnip made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper.  
Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

## LARGE FIELD TURNIPS—for Stock

**WHITE EGG.** Quick growing, egg-shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves; never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**LARGE WHITE NORFOLK.** Globular, late, solid. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**COW HORN or LONG WHITE.** Grows nearly half way out of the ground, carrot-shape, usually slightly bent; pure white. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**POMERANIAN WHITE GLOBE.** Large, good both for table and stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**YELLOW ABERDEEN.** Large globe-shaped table and stock variety. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

## TREE SEEDS

**E**VERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade in the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost.

We handle a full line of Tree Seeds. Write for prices.

One pound lots and less include postage.

**APPLE.** Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**ARBOR VITAE (American).** Pkt., 10c; oz., 50c; ¼ lb., \$1.60; lb., \$6.00.

**CATALPA SPECIOSA.** Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**LOCUST, HONEY.** Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

**LOCUST, BLACK OR YELLOW.** Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**OSAGE ORANGE.** Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**PEAR, FRENCH.** Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

**PINE, SCOTCH.** Pkt., 10c; oz., 40c; ¼ lb., \$1.35; lb., \$5.00.

**SPRUCE, NORWAY.** Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

## TOBACCO SEED

**BIG HAVANA.** A hybrid Havana. Oz., 45c; ¼ lb., \$1.40; lb., \$5.00.

**CONNECTICUT SEED LEAF.** Best adapted to climate of Middle and Northern States. Oz., 45c; ¼ lb., \$1.40; lb., \$5.00.

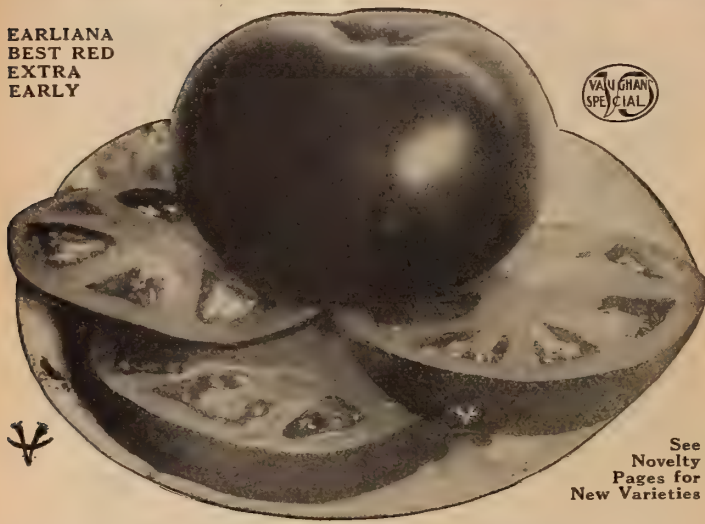
**BIG ORONOKO.** Has no equal for strips and dark wrappers. Oz., 45c; ¼ lb., \$1.40; lb., \$5.00.

**BURLEY.** The popular Kentucky sort. Oz., 45c; ¼ lb., \$1.40; lb., \$5.00.



# TOMATOES OF EVERY

EARLIANA  
BEST RED  
EXTRA  
EARLY



See  
Novelty  
Pages for  
New Varieties

**John Baer.** A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**Bonny Best.** Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**Vaughan's New York.** A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.40.

**ACME—Early (Purple).** Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**EARLY DETROIT (Purple).** The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 55c;  $\frac{1}{4}$  lb., \$1.60; lb., \$5.50.

**BEAUTY (Purple).** Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**HUMMER—Early (Red).** Globe-shaped, medium size, smooth, prepared for table without waste. Scarlet, free from cracks. Has heavy foliage and should be grown on trellises. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**DWARF ARISTOCRAT.** This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out-of-doors. It may be planted 3x3 feet, making it ideal in home gardens. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**MATCHLESS.** Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.



**IMPROVED NEW STONE.** "King of the Reds." The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**CHALK'S EARLY JEWEL.** The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

Our trial ground or experiment department is always anxious to receive criticisms of stocks or strains with an aim to better them. Also, if varieties you are using are not suited for your use, we may be able to help you with suggestions.

## Health Value of Fresh Picked Tomatoes

Calories per lb., 104. Vitamines A, B, C, D.

		Minerals			
Proteins	.9%	Calcium	.011%	Chlorine	.034%
Fats	.4%	Magnesium	.010%	Sulphur	.014%
Carbohydrates	3.9%	Potassium	.275%	Iron	.0004%
		Sodium	.010%		

**TOMATOES** are an ideal home garden crop, thriving in a clay soil none too fertile and yielding heavily in small space. They should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner, though satisfactory crops are produced by allowing the vines to lie on the ground.

**For the Home Garden**—Earliana for the first crop, John Baer second early, and Stone for the main crop are the most popular and are of excellent quality. For those who prefer a large size fruit, plant Ponderosa, Crimson Cushion or Enormous.

**Vaughan's Select Earliana.** Very popular Early Red. Vaughan's Earliana is the earliest large, smooth bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**June Pink—The Best Extra Early Pink.** In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.50.

**Avon Early Tomato.** This is a scarlet-fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**Hudson Valley Maid.** This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50.

## Disease Resistant Sorts

**NORTON or WILT RESISTANT STONE.** Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Prichard to produce a variety resistant to Fusarium Wilt. It is a good variety in disease free soil resembling closely the Improved Stone, perhaps a little later than Stone. It is very prolific. The fruit is smooth and bright red. Pkt., 10c.,  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75.

See Novelty Page 12

**MARGLOBE**, pkt., 10c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$2.00.

**MARVELOSA**, pkt., 10c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$2.00.

**NEW KING**, pkt., 25c.

VAUGHAN'S  
IMPROVED  
NEW STONE



DWARF  
CHAMPION

## FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

**BONNY BEST.** The most popular American variety for forcing. Forcing strain. Pkt., 25c.

**FROGMORE SELECT.** Almost round, small seed cavity, bright red. Pkt., 25c.

**LISTER'S PROLIFIC (New).** Latest popular English sort. Pkt., 25c.

**STIRLING CASTLE.** Small size, uniform and very productive. Pkt., 25c.

**LORILLARD.** One of the best known and popular kinds. Pkt., 25c.

**FILL BASKET (New).** One of the best of the English Forcing varieties. Vine heavier than Sunrise. Fruit set in clusters of three to five. Color, scarlet; heavy yield. Pkt., 25c.



# COLOR AND TYPE

## Dwarf Stone—The Largest Dwarf Tomato.

This is the largest

Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing  $\frac{3}{4}$  pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.

Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.

## Ponderosa—The Giant Tomato.

Of the large fruited varieties, this one is a gem.

The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.00.

## Dwarf Champion.

A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite.

It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.30; lb., \$4.50.

## Gulf State Market Tomato.

This globe-shaped purplish pink tomato was developed from Early

Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks.

Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50; 1 lb., \$5.00.

## New Globe Tomato.

This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing.

The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The fruits ripen with the second earlies. They yield a heavy crop and continue to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds.

Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.60; lb., \$5.50.

## Golden Ponderosa.

A Yellow Gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and

served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.00.

## CREAM CITY.

This is one of the very first large tomatoes to ripen.

Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh thick, firm and solid, with few seeds. Good shipper. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

## VAUGHAN'S TALL CHAMPION.

An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging  $2\frac{1}{4}$  inches thick and  $3\frac{1}{4}$  inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.

## ENORMOUS.

Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.

## CRIMSON CUSHION or BEEF-STEAK.

Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.00.

## MAGNUS.

Potato-leaved; an early main crop, strong growing vines, a heavy cropper. Fruit is globe-shape, and ripens evenly. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.15; lb., \$3.50.

## OTHER STANDARD SORTS

### GOLDEN QUEEN.

Golden yellow. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.30; lb., \$4.50.

### EARLY MICHIGAN.

Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.30; lb., \$4.50.



DWARF  
STONE

## TOMATO PLANTS

Write for our Special Circular on Vegetables and Bedding Plants.

A SINGLE



CLUSTER

VAUGHAN'S MAMMOTH  
PONDEROSA

NEW GLOBE



## SMALL-FRUITED TOMATOES

Very Desirable for Pickles and Preserves.

### NEW GRAPE OR CLUSTER, NAPOLEON.

This is the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c.

RED CURRANT. Very small. Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

RED CHERRY. Small fruit, bright, scarlet. Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

Prices of the following: Pkt., 10c;  $\frac{1}{2}$  oz., 40c; oz., 75c.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow the other plum-red.

YELLOW AND RED PEAR. Dis tinct shape.

HUSK or STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet prized for eating, preserving and making pies.

May 8, 1928

Dear Sirs:  
"Why I plant a garden." Because I enjoy the fresh morning air, and a small lot can yield a lot of pleasure as well as profit. First buy Vaughan's Commercial fertilizer, then his seed, plants, and in fact all his products, for I credit my success to the Vaughan Seed Store. To new garden makers I suggest sending for Vaughan's Catalogue, buy any his products, follow instruction closely, add plenty of labor and results are sure to follow. You will enjoy a better grade of fresh vegetables for your table, buy them out of your own garden at the same price your grocer sell them at, and add \$ to your bank account. But always insist on Vaughan's, reliable and dependable products for best results.

MRS. T. E. KING,  
619 Jefferson St.  
Muskegon Heights, Mich



# Flower Seed Collections

ON THIS page we suggest flowers for various special purposes, giving prices on collections which represent a saving over single packet prices. If there is a need in your garden, for rock plants, for climbers, for edgings, or for some particular color, a collection offered

here will fill it. Everyone should have a corner where annuals are grown for cut-flowers, and blossoms may be obtained in profusion without marring garden effects. We offer collections for this purpose which give an excellent variety of blooms.

**Note**—We cannot make any change in varieties offered.

## Collection 44 A

### Annuals for Cut-flowers, 6 pkts. for 50c.

- 1 pkt. Aster Giant Ostrich Feather Mixed.
- 1 pkt. Calendula Orange King.
- 1 pkt. Candytuft Giant Hyacinth-Flowered White.
- 1 pkt. Centaurea Imperialis Mixed (Giant Sweet Sultan).
- 1 pkt. Hunnemannia (Bush Escholtzia).
- 1 pkt. Larkspur Stock Flowered Mixed.

## Collection 44 B

### Annuals for Cut-flowers, 12 pkts. for \$1.00

The above six as noted in collection A.

- 1 pkt. Gypsophila Angel's Breath.
- 1 pkt. Marigold Vaughan's Special Tall Mixed.
- 1 pkt. Scabiosa Vaughan's Special Mixture.
- 1 pkt. Stocks Giant Perfection Mixed.
- 1 pkt. Sweet Peas Vaughan's Special Spencer Mixed.
- 1 pkt. Zinnia Vaughan's Colossal Mixed.

## Collection 44 C

### Annual Climbers, 6 pkts. for 50c

- 1 pkt. Balloon Vine.
- 1 pkt. Balsam Pear.
- 1 pkt. Canary Bird Vine.
- 1 pkt. Cobaea Scandens.
- 1 pkt. Cypress Vine Mixed.
- 1 pkt. Dolichos Mixed.

## Collection 44 "Blue"

### Annuals to Color, 6 pkts. for 50c

- 1 pkt. Ageratum Blue Perfection.
- 1 pkt. Aster California Giants Light Blue.
- 1 pkt. Cynoglossum Amabile (Chinese Forget-me-not).
- 1 pkt. Didiscus Coeruleus (Lavender Lace Flower).
- 1 pkt. Gilia Capitata.
- 1 pkt. Larkspur Stock-Flowered Dark Blue.

## Collection 44 "Pink"

### 6 pkts. for 50c

- 1 pkt. Antirrhinum Silver Pink.
- 1 pkt. Aster Peerless Pink.
- 1 pkt. Centaurea Cyanus Double Rose and Pink Shades.
- 1 pkt. Cosmos Early-Flowering Mammoth Pink.
- 1 pkt. Godetia Gladiolus-Flowered Rosy Morn.
- 1 pkt. Larkspur Stock-Flowered Lustrous Carmine

## Collection 44 "Golden"

### 6 pkts. for 50c

- 1 pkt. Antirrhinum Golden King.
- 1 pkt. Calendula Apricot.
- 1 pkt. Centaurea Suaveolens.
- 1 pkt. Escholtzia Golden West.
- 1 pkt. Marigold Lemon Queen.
- 1 pkt. Calliopsis Crown of Gold.

## Collection 44 "Red"

### 6 pkts. for 50c

- 1 pkt. Aster Heart of France.
- 1 pkt. Clarkia Brilliant.
- 1 pkt. Dianthus Fireball.
- 1 pkt. Linum Grandiflorum Rubrum.
- 1 pkt. Verbena Lucifer.
- 1 pkt. Zinnia Dahlia Flowered Crimson Monarch.

## Collection 44 "White"

### 6 pkts. for 50c

- 1 pkt. Antirrhinum Queen Victoria.
- 1 pkt. Arctotis Grandis.
- 1 pkt. Aster Giant Branching White.
- 1 pkt. Cosmos Early-Flowering Mammoth White.
- 1 pkt. Nicotiana Affinis.
- 1 pkt. Phlox Drummondii Grandiflora Alba.

## Collection 44 E

### Annual Everlastings, 6 pkts. for 50c

- 1 pkt. Acroclonium Roseum Double.
- 1 pkt. Ammobium Alatum Grandiflorum.
- 1 pkt. Helichrysum Vaughan's Special Mixture.
- 1 pkt. Rhodanthe Mixed.
- 1 pkt. Statice Sinuata True Blue.
- 1 pkt. Xeranthemum Double Mixed.

## Collection 44 F

### Annuals for Foliage Effect, 6 pkts. for 50c

- 1 pkt. Artemisia Sacrorum Viridis.
- 1 pkt. Centaurea Candidissima.
- 1 pkt. Cineraria Maritima Diamond.
- 1 pkt. Coleus Fine Mixed.
- 1 pkt. Perilla Nankinensis.
- 1 pkt. Pyrethrum Aureum (Golden Feather).

## Collection 44 G

### Annual Ornamental Grasses, 6 pkts. for 50c

- 1 pkt. Agrostis Nebulosa
- 1 pkt. Briza Maxima.
- 1 oz. Coix Lachrymae.
- 1 pkt. Eragrostis Elegans.
- 1 pkt. Lagurus Ovarus.
- 1 pkt. Tricholaena Rosea.

## Collection 44 H

### Perennials, 6 pkts. for 50c

- 1 pkt. Coreopsis Lanceolata Grandiflora.
- 1 pkt. Caillardia Grandiflora Mixed.
- 1 pkt. Larkspur Elatum Hybridum Single.
- 1 pkt. Linum Perenne (Blue Flax).
- 1 pkt. Pyrethrum Roseum Grandiflorum (Painted Daisy).
- 1 pkt. Shasta Daisy Alaska.

## Collection 44 I

### Annuals for Rock Gardens, 6 pkts. for 50c

- 1 pkt. Alyssum Little Gem.
- 1 pkt. Calandrinia Grandiflora.
- 1 pkt. Leptosiphon French Hybrids.
- 1 pkt. Nierembergia Gracilis.
- 1 pkt. Phlox Drummondii Dwarf Mixed.
- 1 pkt. Sanvitalia Procumbens (Creeping Zinnia).

## Collection 44 J

### Perennials for Rock Gardens, 6 pkts. for 50c

- 1 pkt. Alyssum Saxatile Compactum.
- 1 pkt. Arabis Alpina.
- 1 pkt. Dianthus Plumarius Single Mixed.
- 1 pkt. Forget-me-not Palustris Semperflorens.
- 1 pkt. Poppy Nudicaule Single Mixed.
- 1 pkt. Viola Cornuta Mixed (Bedding Violas).

## Collection 44 K

### Sweet-Scented Annuals, 6 pkts. for 50c

- 1 pkt. Antirrhinum Vaughan's Special Mixture.
- 1 pkt. Heliotrope Mammoth Flowered Mixed.
- 1 pkt. Mignonette Giant Machet.
- 1 pkt. Petunia Dwarf Mixed.
- 1 pkt. Stocks Giant Perfection Mixed.
- 1 pkt. Sweet Peas Vaughan's Special Spencer Mixed.

## Collection 44 L

### Annuals for Edging, 6 pkts. for 50c

- 1 pkt. Alyssum Little Dorrit.
- 1 pkt. Antirrhinum Tom Thumb Mixed.
- 1 pkt. Candytuft Dwarf Hybrids Mixed.
- 1 pkt. Centaurea Victoria.
- 1 pkt. Sanvitalia Procumbens Fl. Pl.
- 1 pkt. Verbena Vaughan's Best Mixed.

Any 2-50c collections... \$0.90

Any 3-50c collections... 1.30

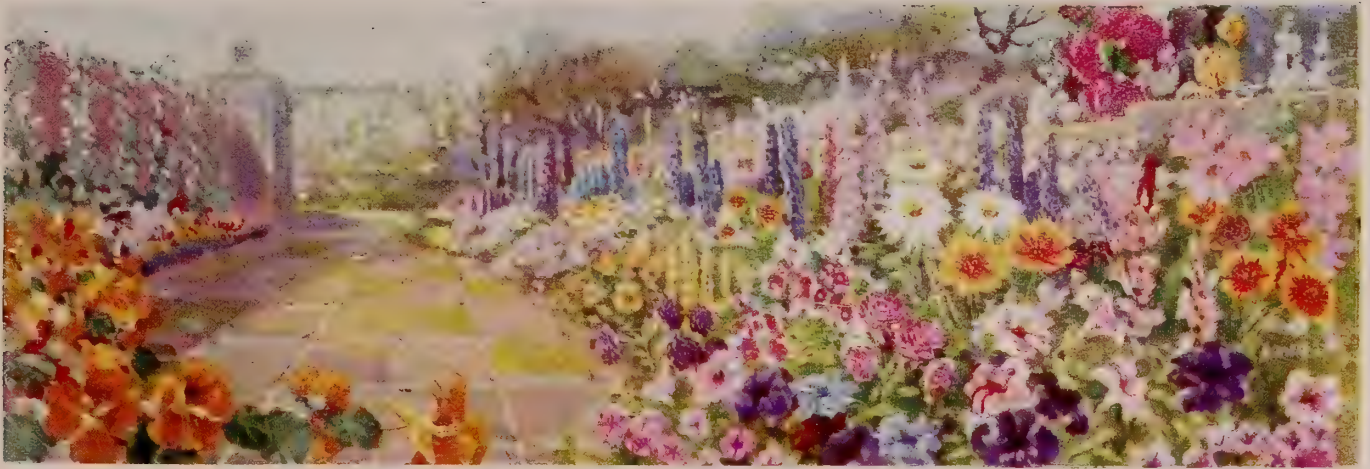
Any 4-50c collections... 1.50

Any 5-50c collections... 1.80

Sweet Peas Collections, see page 68.



# Vaughan's Annual Flower Seeds



## Surprise Garden Mixture

5848 Our Surprise Garden of Annuals has created a place for itself at the beginning of our colored pages—Yearly our friends find something new and fascinating in it which they include separately in their order the following year. We buy for this mixture surplus stock seed from our growers besides named varieties and separate

colors of many flowers which are attractive and easily grown but little known. Indeed there are so many flowers produced from early until late in endless succession it is a continual surprise to the gardener.

We suggest it for children's plots, vacant lots and in rows in the vegetable garden with the suggestion—do not plant too thickly. Oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.60.

### ABRONIA

- 100 **Umbellata Grandiflora** (Sand Verbena) ☐ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. Pkt., 10c.

### ABUTILON

- 120 **Mixed** (Flowering Maple or Chinese Bell Flower)  $\div$  3 to 4 ft. Grows rapidly from seed and is soon in flower. Blooms under glass all seasons of the year and out-of-doors during summer and fall. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, in all colors. Pkt., 15c.

### ACROCLINIUM ROSEUM

A pretty Everlasting bearing graceful, daisy-like flowers, which, when cut in the bud state, can be dried and used for winter bouquets. Blooms six weeks from time of sowing.

- 150 **Double Pink**. Pkt., 10c.  
155 **Double White**. Pkt., 10c.  
160 **Single Mixed**. Pkt., 10c.  
165 **Double Mixed**. Pkt., 10c.



Acroclinium for Winter Bouquets

Flower gardens add to the beauty of homes and increase the value of property. For a comparatively small outlay of money and a little time we may enjoy a symphony of color beginning with the small dainty flowers of spring which are the "wood winds", through the mid-summer more dominant flowers, the violins, on to the colorful climax as the season closes with a blare of color, the drums of our flower symphony.

#### Key to Symbols

- ☐ **Annuals**. These attain full growth from seed, flower and die first year.  
\* **Biennials**. These grow from seed the first year, bloom and die the next, though some varieties bloom the first year.  
① **Perennials**. Tender, grown as annuals.  
+ **Greenhouse Plants**. Start inside and cultivate in pots or else transplant outside when danger of frost is over.  
+ **Stove Plants**. To be grown inside all the year round for pots only.  
= **Climbing Plants**.

### ACHIMENES

- 130 **Best Mixed** ☐ Greenhouse pot-plant belonging to Gesneraceae family. Flowers tube-shaped in many attractive colors. Nearly all have throats and veins of contrasting shades suitable for hanging baskets and pots. Blooms in 6 months from seed. Pkt., 50c.

### ADONIS

- 170 **Aestivalis** (Pheasant Eye). 1 ft. Pretty, early blooming annual with deep crimson flowers and feathery foliage. Sow where plants are to remain. Pkt., 10c.

### AGAPANTHUS

- 175 **Umbellatus**  $\div$  1 ft. Bright blue flowers produced in clusters on long stems. Water freely. Pkt., 15c.

### AGERATUM ☐

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion. The taller sorts are useful for cutting.

- 180 **Mexicanum Coeruleum**. 18 in. Beautiful soft lavender-blue, of free branching habit. Pkt., 10c.

### AGERATUM—Continued

- 185 —**Album**. White. Pkt., 10c.  
190 —**Mixed**. Pkt., 10c.  
195 —**Nanum, Blue Perfection**. 9 in. The darkest Ageratum grown from seed. Pkt., 10c.  
202 —**Imperial Dwarf Blue**. 6 in. A charming variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt., 10c.  
205 —**Imperial Dwarf White**. Pkt., 10c.  
208 —**Little Dorrit White**. The best dwarf white ageratum. Pkt., 15c.  
209 —**Little Dorrit Blue**. Dwarf. Azure blue. Pkt., 15c.  
215 —**Princess Victoria Louise**. 6 in. Bushy plants covered with sky-blue flowers with white centers. Pkt., 10c.  
217 —**Tom Thumb Little Blue Star**. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.  
220 **Lasseauxi**. 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c.



Ageratum Blue Perfection





Alyssum Vaughan's Little Gem

**ALYSSUM** □

250 *Benthami Maritimum* (Sweet Alyssum). This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. Flowers white and honey-scented. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb., \$2.25; ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

255 *Vaughan's Little Gem, Snow-white Carpet Plant*. The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms they create the impression of a beautiful snow-white carpet. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; ¼ lb., \$2.40; 1 lb., \$8.00; pkt., 10c.

257 *Little Dorrit, White*. It forms perfect little bushes of 4 inches in height, fairly smothered with miniature white flowers. A gem for edging and beds. ¼ oz., 30c; pkt., 15c.

260 *Compactum Lilacinum, Lilac Carpet Plant*. Distinct variety with delicate lavender flowers. Very dwarf. Pkt., 10c.

**AGROSTEMMA**

230 *Coeli* (Rose of Heaven) □ 1 ft. Remarkably pretty, hardy annual of light, graceful habit; flowers light rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes) at different intervals, and a continuous supply of lovely cut flowers can be had all summer. ¼ oz., 25c; pkt., 10c.



Amaranthus Tricolor (Joseph's Coat)

**AGROSTIS**

235 *Nebulosa* (Cloud Grass) □ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c.

**ALONSOA**

Attractive little plants with gay flowers adapted for borders.

238 *Linifolium* (flax leaved) □ 1 ft. scarlet flower. Forms symmetrical graceful and free flowering plants. Pkt., 10c.

240 *Warszewiczii* □ 15 in. A fine plant with large bright rosy scarlet flowers, often one inch across. Pkt., 10c.

**AMMOBIUM**

295 *Alatum Grandiflorum* □ 2½ ft. This "Winged Everlasting" resembles the Immortelle; white flowers with green centers. Pkt., 10c.

**ANAGALLIS**

305 *Grandiflora Mixed* □ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

307 *Grandiflora Coerulea*. It is one of the most charming and conspicuous of our low-growing blue flowers, but must have a sunny place to do well. Growing 8 inches high, the plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue color. Pkt., 15c.

**ANCHUSA**

310 *Capensis* (Summer Forget-me-not). 2 ft. A hardy annual of more than ordinary beauty. It grows about two feet high, branching freely and bearing a profusion of the most lovely flowers similar in all respects to the Forget-me-not, though the blossoms are much larger and of finer color. It blooms early and continues all summer. Pkt., 10c.

ANGEL'S BREATH—See *Gypsophila Elegans*.

**ANTIGONON**

315 *Leptopus* (Mexican Mountain Rose) = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt., 10c.

ANTIRRHINUM—See page 47.

**ARGEMONE**

460 *Grandiflora* (The Prickly Poppy) □ 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt., 10c.

**ARTEMISIA**

470 *Sacrorum Viridis* (Summer Fir) □ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt., 15c.

**AMARANTHUS** □

Coarse annual plants, grown for foliage and the showy flower clusters. Related to the Cockscorn. They thrive best in a hot and sunny situation. In very rich soil the leaves become very large but usually lack in bright coloring. The dwarf varieties which often have beautifully variegated foliage, may be grown in pots or used for bedding. Give plenty of room.

265 *Atro-purpureus*. 4 ft. Beautiful, dark purple flowers. Pkt., 10c.

267 *Caudatus* (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

269 *Cruentus* (Prince's Feather). 3 ft. Dark red feathery flowers. Pkt., 10c.

270 *Molten Fire*. The top leaves are a fiery crimson, the lower ones maroon. Pkt., 15c.

273 *Salicifolius* (Fountain Plant). 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit. Pkt., 10c.

275 *Tricolor* (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. Pkt., 10c.

285 *Vaughan's Special Mixture*. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 15c.



Arctotis Grandis

**ARCTOTIS GRANDIS**

Blue-eyed African Daisy

450 It forms much branched bushes 2 to 3 feet high; its daisy-like flowers are pure white with a gold band surrounding a pale mauve or blue center. It is not only pleasing when open, but also when it closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Pkt., 10c.

**ASPARAGUS**

480 *Plumosus Nanus* (Lace Fern) + 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds, pkt., 15c.

485 *Sprengeri* (Emerald Feather) + A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds, pkt., 15c.

ASTERS—See pages 48, 49.

BABY BREATH—See *Gypsophila Paniculata*.

**ASPERULA**

490 *Azurea Setosa* □ 1 ft. A dainty annual bearing sky-blue flower in terminal clusters from June to August. Blooms freely and possesses a delicate perfume. Very effective in a large bed. Pkt., 10c.

**BALLOON VINE**

995 *Love in a Puff* □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. The effect is most odd and curious. Pkt., 10c.



Balloon Vine



# Antirrhinum (Snapdragon)

For gorgeous coloring few flowers can match Snapdragons. The flowers are of very large size, very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

## Maximum Giant Flowered

These are a wonderful advance in size over all other varieties, each bloom measuring 2 to 3 inches across.

- 410a Appleblossom. Rosy pink, white throat.
  - 410c Canary Bird. Canary yellow.
  - 411 Copper King. (Indian Summer.) Velvety copper-scarlet.
  - 412 Defiance. Brilliant scarlet.
  - 413 Delicate Shades. A mixture of soft pastel shades.
  - 414 Fairy Queen. Terra cotta.
  - 415 Gotelind. Light copper, old rose throat.
  - 416 Golden Queen. Golden yellow, lilac-rose throat.
  - 418 Old Gold. Golden yellow, old rose throat.
  - 419 Purple King. Velvety dark garnet.
  - 420 Ruby. Velvety ruby-red.
  - 421 The Rose. Rose pink.
  - 423 Snowflake. Pure snow-white, yellow tube.
  - 423a Wallflower Colors. Brown with violet throat.
  - 424 Maximum or Giant, Flowered Mixed. All the above and others.
- Each of the above, pkt., 15c.

## Semi-Tall Sorts, 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

- 363 Amber Queen. Amber overlaid chamois pink, gold lip.
  - 364 Aurora. Cinnabar carmine white throat.
  - 368 Black Prince. Nearly black, small dark leaves.
  - 371 Bonfire. Orange or flame color.
  - 373 Buff Queen. Rose, canary lip shaded orange.
  - 377 Canary Bird. Light lemon-yellow.
  - 382 Crimson Queen. Rich crimson.
  - 378 Defiance. Cinnabar scarlet.
  - 379 Empress. Rich velvety crimson.
  - 380 Fairy Queen. Scarlet with orange.
  - 396 Mauve Beauty. Rosy mauve.
  - 383 Fascination. Pale pink.
  - 384 Firefly. Dark purple, yellow, white.
  - 384a Fire King. Orange scarlet, white throat.
  - 385 Firebrand. Fiery orange-scarlet.
  - 386 Gloria. Rich deep rose and white.
  - 390 Golden Queen. Rich yellow.
  - 393 Grenadier. Vivid orange, white throat, yellow lip.
  - 397a Mont Blanc. White.
  - 398 Nelrose. Old rose, shaded blush.
  - 399 Peerless Pink. Cameo pink, white lip.
  - 403 Queen of the North. Large white flowers.
  - 404 Prima Donna. Terra cotta-pink, white throat.
  - 405 Rose Dore. A self-salmon-rose, shaded gold.
  - 407 Silver Pink. Pearl pink self.
  - 410 The Fawn. Terra cotta-pink, suffused yellow.
  - 409 Majus Nanum. Semi-tall sorts mixed.
- Each of above pkt., 10c.

For others see novelty pages.

## Tall Large Flowering, 24 to 36 inches

- 325 Appleblossom. Delicate pink with a white throat.
- 328 Brilliant Scarlet.
- 331 Butterfly. Striped.
- 334 Coral Red. Dark rose, white throat.
- 337 Delicata. Delicate rose, with white throat.
- 339 Delila. Carmine and yellow, with white throat.
- 340 Evening Sky. Soft salmon, rose, yellow mouth, white throat. Pkt., 15c.
- 342 Garnet. Rich color.
- 345 Golden King. Yellow.
- 391 Golden Monarch. Splendid golden yellow flowers.
- 346 Harmony. Rich terra cotta pink, yellow.
- 348 Lovely. White with pink lip.
- 397 Madonna. Pure white, broad petaled flower.
- 351 Queen Victoria. Pure snow-white.
- 354 Rose King. Deep rose self.
- 353 Rose Queen. Brilliant rose pink.
- 355 The Cardinal. Scarlet.
- 360 Majus Grandiflorum Mixed. Each of above except where noted, pkt., 10c.

## Tom Thumb Varieties, 8 inches

These Snapdragons grow about 8 inches in height, are splendidly suited for edgings and pot plants.


- 430 Pink.
  - 431 Orange. Light yellow, reddish gray throat.
  - 435 Snow Queen. Beautiful white flowers.
  - 438 Fireball. Dark red, deep violet throat.
  - 445 Tom Thumb Mixed.
- Each of the above, pkt., 10c.

## Annuals for a Rock Garden


The Alpine plants are really the true rock plants, but many annuals are needed to complete a rock garden. So in answer to many inquiries we suggest the following varieties:

Abronia	Nemophila Insignis
Ageratum	Portulaca
Alyssum	Phlox Dwarf
Anagallis	Sanvitalia Procumbens
Calandrinia Grandiflora	Verbena Erinoides
Leptosiphon	Verbena Venosa
Nierembergia Gracilis	Zinnia Liliput
	Zinnia Haageana

## BARTONIA

- 1070 Aurea  12 in. The little known Bartonia makes patches of polished gold in sunny situations, even if the soil is poor. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Pkt., 10c.

## BALSAM—Apple and Pear

- 1000 Apple (Momordica Balsamina)  = 10 ft. A very ornamental and quick-growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior. Pkt., 10c.

- 1005 Pear (Momordica Charantia). Known to the Chinese as La-Kwa, for the edible pulpy arils surrounding the seed, also for the edible fruit itself, which is prepared, usually by boiling, before it is ripe. Vine grows 10 ft. or more. Like above, only the fruit is pear-shaped. Pkt., 10c.

- 1008 Apple and Pear Mixed. Pkt., 10c.



Antirrhinum Vaughan's Special Mixture

- 425 Vaughan's Special Mixture of Snapdragons. Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., \$1.50; ¼ oz., 40c; ⅛ oz., 25c; pkt., 15c.



## "ANNUAL FLOWERS FOR GARDEN AND GREENHOUSE"

A complete Guide to the Cultivation of Hardy and Half-hardy Annuals and Biennials, including Sweet Peas, Asters, Stocks, Cinerarias, Primulas, etc., 145 pages.

Profusely illustrated in color and half-tone by T. W. Sanders, F. L. S.

We have secured copies of the above book and offer the same at \$2.15 post paid.

## BUTTERFLY COLLECTION

Butterflies and Humming birds add the finishing touches to a garden. They are dainty visitors and to attract them one must provide sweet-scented flowers in abundance. Our collection will make your garden the most popular to these winged fairies.

- Alyssum Little Gem
- Asperula Azarea Setosa
- Centaurea Suaveolens
- Heliotrope Mammoth Mixed
- Mathiola Bicornis
- Mignonette Machet
- Petunia Large Flowering Fringed Mixed
- Scabiosa Vaughan's Special Mixed
- Stocks Giant Perfection Mixed
- Verbena Mayflower

1167 1 Pkt. each of above for 75c.



Bartonia Aurea



# Vaughan's Asters



Aster Sunshine

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared before sowing. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and wood ashes together with bone meal. The plants should be cultivated frequently and tobacco stems are helpful if placed around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

**950 Asters, Dwarf Mixture.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely.  $\frac{1}{8}$  oz., 25c; pkt., 10c.



Aster, American Beauty Mixed

## Dwarf Section, Up to 10 Inches

They are dwarf and bushy in habit and are covered with many bright and attractive flowers. In Europe they are extensively used and we might follow their example as these plants being dwarf do not suffer from storms and the flowers appear early.

- 500 Vaughan's Snowball.** The best dwarf white aster.
- 501 Vaughan's Pink Ball.** Lovely shade of pink.
- 505 Vaughan's Fireball.** Covered with beautifully shaped flowers of the brightest scarlet. Each of the above, pkt., 15c.
- 515 Boltze's Dwarf Bouquet.** Mixed, all colors. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. Pkt., 10c.
- 520 Dwarf Chrysanthemum Flowered.** All colors, mixed. Of very compact growth;  $3\frac{1}{2}$ -in. flowers; free flowering and later than other varieties, therefore valuable for succession. Pkt., 10c.
- 521 Dwarf Queen Mixed.** Beautiful early class for pot, beds and borders. Pkt., 10c.

## Vaughan's Excelsior Mixture of Dwarf Asters

**725** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture, insuring satisfaction to the grower.  $\frac{1}{8}$  oz., 50c; large pkt., 25c; pkt., 15c.



## Semi-Tall Section, 11 in. to 16 in.

### Giant Comet

This giant class is an improvement on the old and inferior Comet Class, not only in bearing much larger flowers, but the petals are longer and broader.

- |                                |   |
|--------------------------------|---|
| 560 White.                     | 573 Rose.   |
| 565 Yellow.                    | 580 Crimson.  |
| 570 Queen of Spain.            | 595 Lavender.   |
| Soft yellow, turning to flesh. | 585 Light Blue.   |
|                                | 597 Dark Blue.  |
| 590 Shell Pink.                | 575 Purple.   |
| 599 Salmon Rose.               |   |
| 598 Triumph of Paris.          | White flowers with curled and twisted petals and yellow cushion center. |
| 600 Mixed, all colors.         |   |
- Each of the above, pkt., 10c.

**Daybreak (Improved American Victoria)**  
The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

**550 Mixed, all colors.** Pkt., 10c.

## The Sunshine

### Improved Anemone-Flowered

**ONE** of the most attractive novelties. The plants are sturdy and strong, throwing up long flower stalks, making wonderful cut flowers. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. Their delicate beauty is hard to describe.

- |                |                        |
|----------------|------------------------|
| 885 White.     | 889 Light Blue.        |
| 883 Flesh.     | 888 Lilac.             |
| 887 Pink.      | 886 Dark Blue.         |
| 884 Dark Rose. | 890 Mixed, all colors. |

Each of the above, pkt., 25c.

## Semi-Tall Section, 11 in. to 16 in.

### Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

- |                        |                 |
|------------------------|-----------------|
| 615 White.             | 630 Light Blue. |
| 617 Flesh.             | 635 Lavender.   |
| 620 Pink.              | 640 Purple.     |
| 623 Crimson.           | 643 Dark Blue.  |
| 625 Scarlet.           |                 |
| 645 Mixed, all colors. |                 |

Each of the above, pkt., 10c.

### Heart of France

**602 Heart of France** opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt., 15c.

## Tall Section, 16 inches and Up

### American Beauty (Late Flowering)

Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last.

- |                   |                        |
|-------------------|------------------------|
| 655 White.        | 661 Crimson.           |
| 671 Peachblossom. | 656 Azure Blue.        |
| 670 Sept. Beauty. | 668 Lavender.          |
| 675 Rose-Pink.    | 663 Purple.            |
| 660 Carmine-Rose. | 680 Mixed, all colors. |

Each of the above, pkt., 15c.

### California Giants

They combine the robust habit of growth and length of stem that characterizes the Beauty type and the Crego or Ostrich Feather type of flower. A true non-lateral type.

- |                   |                         |
|-------------------|-------------------------|
| 686a White        | 689 Light Blue.         |
| 687 Peachblossom. | 688 Dark Purple.        |
| 689a Dark Rose.   | 689b Mixed, all colors. |

Each of the above, pkt., 15c.



Aster, Heart of France



# Vaughan's Asters



Aster, Giant Branching Mixed

Tall Section—Continued

## American Beauty (Early Flowering)

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long, stout stems. Planted with Crego and Giant Branching will bloom at same time.

- |                        |                    |
|------------------------|--------------------|
| 681 White.             | 683 Rose.          |
| 681a Peachbloom.       | 683a Black Prince. |
| 681b Sept. Beauty.     | 683b Azure Fairy.  |
| 682 Carmine-rose.      | 684 Lavender.      |
| 682a Crimson.          | 685 Purple.        |
| 686 Mixed, all colors. |                    |

Each of the above, pkt., 15c.

## Giant Crego

The flowers are of immense size and borne on stems twelve inches or more in length. The petals are most attractively curled and twisted, resembling Chrysanthemums. The plants are of strong branching growth and usually attain a height of two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

- |                        |                 |
|------------------------|-----------------|
| 690 White.             | 700 Azure Blue. |
| 693 Shell Pink.        | 703 Lavender.   |
| 696 Rose Pink.         | 709 Purple.     |
| 699 Crimson.           | 710 Dark Blue.  |
| 715 Mixed, all colors. |                 |

Each of the above, pkt., 10c.

## Crown

Large-flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.

- 730 Mixed, all colors. Pkts., 10c.



Aster Crego, Lavender

## Early Wonder (Express)

The best extra early variety. The flowers are of good size, quite double, and borne on good stiff stems.

- |                        |                 |
|------------------------|-----------------|
| 825 White.             | 827 Light Blue. |
| 826 Rose.              | 828 Dark Blue.  |
| 826a Lavender.         |                 |
| 829 Mixed, all colors. |                 |

Each of the above, pkt., 10c.

## Vaughan's Giant Branching

Beautiful asters for cut flowers. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

- |                        |                  |
|------------------------|------------------|
| 735 White.             | 755 Mid Blue.    |
| 740 Peachblossom.      | 760 Lavender.    |
| 745 Flesh Pink.        | 765 Dark Violet. |
| 747 Rose Pink.         | 770 Purple.      |
| 750 Crimson.           |                  |
| 780 Mixed, all colors. |                  |

Each of the above, pkt., 10c.

## Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut flowers par excellence.

- |                        |                    |
|------------------------|--------------------|
| 785 White.             | 803 Crimson.       |
| 790 Soft Pink.         | 804 Sky-Blue.      |
| 791 Terra Cotta.       | 806 Silvery Lilac. |
| 792 Vermilion Carmine. | 809 Light Blue.    |
| 800 Rose.              | 812 Dark Blue.     |
| 820 Mixed, all colors. |                    |

Each of the above, pkt., 10c.

## King

In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

- |                        |                |
|------------------------|----------------|
| 840 White.             | 852 Violet.    |
| 846 Rose.              | 856 Lavender.  |
| 849 Crimson.           | 857 Dark Blue. |
| 860 Mixed, all colors. |                |

Each of the above, pkt., 10c.

## Moreton Pink

781 Of the Giant Branching type, the large flowers are well formed and freely produced on long stems; color a beautiful clear pink with a salmon sheen. Pkt., 15c.

## Royal (Early Flowering Branching)

Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Medium early bloomer.

- |                        |               |
|------------------------|---------------|
| 865 White.             | 875 Lavender. |
| 868 Shell Pink.        | 879 Purple.   |
| 871 Rose Pink.         |               |
| 882 Mixed, all colors. |               |

Each of the above, pkt., 10c.

## Soleil D'Or

835 Golden Sun. This is the best yellow Aster. The quilled flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt., 15c.

## Other American Varieties

- 900 Ball's White. Flower is a sphere of pure white petals, borne on a long, stout stem, a mid-season variety. Pkt., 25c.
- 910 Lavender Gem. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long, firm stems. Pkt., 15c.
- 920 Peerless Pink. The flowers are enormous, globular in shape, many five inches across, of a most pleasing rich shell-pink. Pkt., 15c.
- 925 Crimson Giant. The blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. Pkt., 15c.
- 930 White Perfection. A fine new mid-season Aster of tall, upright growth, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias. Pkt., 15c.
- 940 Sensation. Flowers double and incurved, resembling a Dahlia and the flower a lively cardinal-red. Pkt., 15c.



Aster, The King

## Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture  $\frac{1}{8}$  oz., 50c; large pkt., 25c; pkt., 15c.



945 Asters, Tall Mixture. The newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this mixture. 1 oz., 75c;  $\frac{1}{4}$  oz., 25c; pkt., 10c.

## Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free-blooming and produce their beautiful flowers on long, slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers.

- |                 |                |
|-----------------|----------------|
| 955 White.      | 975 Mauve.     |
| 965 Pink.       | 976 Violet.    |
| 966 Crimson.    | 960 Dark Blue. |
| 970 Light Blue. |                |

Each of the above, pkt., 10c.

980 Marechal Joffre: Large flowered red. Pkt., 15c.

985 Mixed, all colors. Pkt., 10c.



Aster Giant Ostrich Feather Mixed





Balsam Vaughan's Invincible Mixed

**DOUBLE BALSAM**

1½ to 2 ft.

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on very short stems. The plants are sturdy and fleshy, making a fine garden plant. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart.

- 1010 **Alba Perfecta**. Pure white.  
 1012 **Atrosanguinea Plena**. Double Blood-Red.  
 1014 **Crimson**. 1016 **Crimson Spotted**.  
 1018 **Dark Blue**. 1020 **Flesh Pink**.  
 1022 **Lemon Queen**. 1023 **Nilsson Rose**.  
 1025 **Lilac**. Deep dark rose.  
 1027 **Prince Bismarck**. Salmon-pink.  
 1031 **The King**. Brilliant scarlet.  
 1033 **The Queen**. Pale rose.  
 Each of the above, pkt., 10c.  
 1040 **Double Rose and Camellia-flowered Mixed**. Pkt., 10c.  
 1050 **Dwarf Balsams Mixed**. 8 in. Perfect little bushes with double and semi-double flowers. The colors are pretty and pleasing. Pkt., 10c.  
 1055 **Goliath White**. 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.  
 1057 **Goliath Scarlet**. Extremely brilliant, large and very double. Pkt., 10c.  
 1059 **Goliath Chamois Rose**. A most pleasing color. Pkt., 10c.  
 1045 **Vaughan's Invincible Balsams Mixed**. Mixed from separate colors and includes everything that is desirable in Balsams. Pkt., 15c.



Begonia Salmon Queen

**BEGONIA****Ever-Blooming Bedding Varieties**

A continuous flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make valuable decorative plants for the house during winter.

- 1071 **Christmas Cheer Red**. A very large flowered variety, the blossoms attaining a diameter of two inches. Color, dark crimson-scarlet. Pkt., 50c.  
 1072 **Christmas Pink**. The growth, blossoms and foliage identical to above variety only the color is a delightful shade of warm rose-pink. Pkt., 50c.  
 1078 **Gracilis Luminosa**. Large, bright scarlet flowers. Pkt., 25c.  
 1079 **—Fireball**. Brilliant crimson flowers. Pkt., 35c.  
 1080 **—Rose Charm**. Color fresh rose. Pkt., 35c.  
 1075 **—Mignon**. Bright salmon-scarlet. Pkt., 15c.  
 1081 **—Prima Donna**. 1 ft. The flowers are a brilliant, clear pink, shading to carmine-rose. Pkt., 25c.  
 1076 **—White Pearl**. White flowers, foliage green. Pkt., 25c.  
 1084 **Semperflorens Atro-purpurea Vernon**. Bright orange-carmine flowers, deep-red foliage. Pkt., 10c.  
 1087 **—A. Martin**. Large, brilliant crimson-scarlet with dark foliage. Pkt., 25c.  
 1088 **—Cardinal (Dwarf Vernon)**. Pkt., 15c.  
 1089 **—Erfordia**. Handsome flowers of a delicate rose color. Pkt., 20c.  
 1091 **—Fire Sea**. Very dwarf, deep green foliage, red flowers. Pkt., 25c.  
 1082 **—Flame of Love**. 1 ft. Brilliant scarlet flowers with shining golden yellow stamens. Foliage bright green, tinted brown. Pkt., 35c.  
 1083 **—Gruppen Konigin**. Lustrous rose flowers, foliage green and brown. Pkt., 35c.  
 1085 **—Glory of Erfurt**. Large rosy carmine flowers. Pkt., 35c.  
 1073 **—Gustav Knaake**. Flowers glowing pink with salmon shade; leaves green with bronze shade. Pkt., 50c.  
 1092 **—Liegnitzia**. Scarlet-carmine. Pkt., 25c.  
 1093 **—Melanie**. The color is white, beautifully edged with pink. Pkt., 25c.  
 1086 **—Salmon Queen**. Large salmon flowers with dark leaves. Pkt., 35c.  
 1094 **—Wuerttembergia**. Blood-red. Pkt., 25c.  
 1090 **Semperflorens Mixed**. Pkt., 10c.

**Tuberous-Rooted Begonias**

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias. For greenhouses and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

- 1099 **Single Tuberous-Rooted Mixed**. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt., 35c.  
 1100 **Tuberous Rooted, Narcissus Flowered**. Resemble the flowers of the large Trumpet Narcissus. Comes in various colors of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tints of rose from light to dark. Pkt., 50c.  
 1101 **Lloydii**. This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various shades of rose and carmine. Pkt., 50c.  
 1103 **Double Tuberous-Rooted Mixed**. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt., 50c.  
 1105 **Fripped Tuberous-Rooted Mixed**. Seed saved from selected, best frilled flowers. Pkt., 35c.

**BROWALLIA** ☐ 1 ft

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

- 1155 **Speciosa Major**. A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 15c.  
 1156 **Elata White**. Pkt., 10c.  
 1157 **Elata Blue**. Pkt., 10c.  
 1160 **Elata Mixed**. Blue and White. Pkt., 10c.  
**BURNING BUSH**—See Kochia.



Brachycome Mixed

**BRACHYCOME (Swan River Daisy)** ☐

12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty daisy-like flowers, suitable for edgings, small beds or pot culture.

- 1140 **White**. 1143 **Blue**.  
 1141 **Pink**. 1146 **Mixed**.

Each of the above, pkt., 10c.

**BRYONOPSIS**

- 1165 **Laciniosa** ☐ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet-striped white. Pkt., 10c.

**BELLIS PERENNIS FL. PL.** #**English Daisy, 6 to 8 inches**

These jolly little flowers are quite popular because of their bright color, their profuse and long blooming period, and their dwarf and compact growth. The leaves form a rosette at the base of the plant, while the daisy-like double flowers are borne above on stiff, yet graceful stems.

- 1110 **Snowball**. Double pure white. Pkt., 10c.  
 1113 **Longfellow**. Double dark pink. Pkt., 10c.  
 1116 **Double Choice Mixture**. Pkt., 10c.  
 1119 **Mammoth White**. Larger than Snowball. Pkt., 15c.  
 1123 **Mammoth Pink**. Larger than Longfellow. Pkt., 15c.  
 1126 **Mammoth Mixed**. Pkt., 15c.  
 1130 **Monstrosa Double Red**. Pkt., 20c.  
 1135 **Rosy White, Double, Frilled**. Pkt., 20c.

**BIRD OF PARADISE**—See Poinciana page 64.

**CHINESE FORGET-ME-NOT (Cynoglossum Amabile)** is a beautiful blue flower.



Browallia Speciosa Major





Briza Maxima

**BRIZA**

- 1150 **Maxima** (Quaking Grass) □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and gracefully poised on such slender stems that they are almost constantly in motion. Pkt., 10c.

**CACALIA** □ 2 ft.

Each flower is a miniature paint brush of orange-scarlet produced on long wiry stems which make it an excellent cut flower.

- 1170 **Tassel Flower**. Mixed, scarlet and orange. Pkt., 10c.

**CALANDRINIA**

- 1175 **Grandiflora**. Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.
- 1177 **Umbellata**. Hardy perennial of trailing habit, producing brilliant, crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

**CALCEOLARIA**

- 1180 **Hybrida Grandiflora** (Pouchflower). Fine Mixed. + 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. Pkt., 300 seeds, 25c.
- 1181 **Hybrida Grandiflora Graciosa** Mixed. A type with very large flowers in self-colors of a great variety of shades, especially in the yellow shades. Sow seeds in the spring for blooming in greenhouse next winter. Pkt., 50c.
- 1185 **Rugosa**, Mixed. Includes nearly all the beautiful shades found in the Herbaceous Calceolaria. Pkt., 25c.



Calendula Orange King

**CALENDULA** (Pot Marigold) □ 1 ft.

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

- 1190 **Orange King**. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Pkt., 10c. ¼ oz. 25c.
- 1191 **The Ball**. It has fine stems, immense double flower of a brilliant glisteny orange. A great favorite on the Chicago Cut Flower Market. Pkt., 25c.
- 1193 **Sulphur Queen**. Large sulphur-yellow. Pkt., 10c.
- 1196 **Meteor**. Apricot-orange, striped primrose. Pkt., 10c.
- 1197 **Pongei Flore Pleno**. Double white flowers. Pkt., 10c.
- 1198 **Apricot**. A charming and delightful shade, soft yellow with a suggestion of salmon-pink. Pkt., 10c.
- 1205 **Mixed**, all colors. For woodlands, wild gardens and perennial borders. Pkt., 10c; ¼ oz., 20c.

CALIFORNIA POPPY—See Escholtzia



Calliopsis Vaughan's Special Mixture

**CALLIOPSIS** (Tickseed) 6 in to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

- 1209 **Bicolor Splendens**. Large golden yellow flowers with brown centers. Pkt., 10c.
- 1210 **Crown of Gold** (Coronata Maxima). Splendid cut flower. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.
- 1211 **Tom Thumb, Crimson King**. Height, 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c.
- 1213 **Golden Ray**. 6 to 8 in. Flowers golden yellow with dark, purplish brown center. Pkt., 10c.
- 1216 **Drummondii, Golden Wave**. 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. Pkt., 10c.
- 1217 **Nigra Speciosa**. Rich reddish maroon. Pkt., 10c.
- 1221 **Radiata Tigrinia** (Tiger Flower). 6 to 8 in. Flowers large reddish brown, turning golden yellow. Pkt., 10c.
- 1235 **Dwarf Varieties**, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.
- 1240 **Double Mixed**, all colors. Pkt., 10c.
- 1245 **Vaughan's Special Mixture Calliopsis**.

This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ½ oz., 30c; pkt., 10c.



Canary Bird Vine

**CANARY BIRD VINE**, □ = 15 to 20 ft

- 1250 A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings extended, the plant obtained its common name. Does well in the shade. Pkt., 10c.

**CANDYTUFT** □

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

- 1260 **Giant Hyacinth-Flowered White**. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; ¼ oz., 25c; pkt., 10c.
- 1270 **Queen of Italy**. 8 in. Dwarf bushes covered with large pink blooms. ½ oz., 25c; pkt., 10c.
- 1273 **Snowflake**. The very sweetest of all. May be planted in fall as ground cover for tulip beds. ½ oz., 25c; pkt., 10c.
- 1276 **Carminea**. Carmine rose. ½ oz., 25c; pkt., 10c.
- 1277 **Flesh**. Delicate pink. ½ oz., 25c; pkt., 10c.
- 1279 **Purplea**. Crimson. ½ oz., 25c; pkt., 10c.
- 1282 **Rose Pink**. Brilliant deep rose-red. ½ oz., 25c; pkt., 10c.
- 1286 **Lilacina**. Lilac. A particularly charming color. ½ oz., 25c; pkt., 10c.
- 1289 **Little Prince**. 6 in. Dainty and distinct candytuft with immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. Pkt., 10c.
- 1290 **Dwarf Hybrids Mixed**. Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c.
- 1300 **Mixed**, all colors. ½ oz., 15c; pkt., 10c.



Candytuft Mixed



## CARNATIONS □ \*

The Carnation has long been prized as a hardy border flower. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with every one. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

**1335 American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Pkt., 35 seeds, 25c.

**1345 Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow. Pkt., 25c.

**1350 Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support. Pkt., 100 seeds, 15c.

**1355 Giant Margaret White.** Pkt., 50 seeds, 15c.

**1360 Margaret, Double Mixed.** Pkt., 10c.

**1365 White.** 1380 Striped.

**1370 Yellow.** 1385 Red.

**1375 Pink.**

Each of the above, pkt., 10c.



Carnation Vaughan's Special Mixture

**1390 Vaughan's Special Mixture.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

See Novelties.

## CELOSIA (Coxcomb) □ 8 in.

## Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

**1410 President Thiers.** Fine dwarf habit, with bronzy foliage, and large, handsome, velvety crimson combs. Pkt., 10c.

**1415 Empress.** Blood-red combs and brown foliage. Pkt., 10c.

**1420 Aurea.** Golden yellow combs. Pkt., 10c.

**1425 Rosea.** Pink combs. Pkt., 10c.

**1430 Dwarf Mixed.** Pkt., 10c.

**1435 Tall Coxcomb Mixed,** 18 to 24 in. Pkt., 10c.

## Plumosa or Plumed Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

## CELOSIA PLUMOSA—Continued

**1440 Plumosa Aurea.** Orange Ostrich Plume. Pkt., 10c.

**1445 Plumosa Coccinea.** Crimson Ostrich Plume. Pkt., 10c.

**1450 Plumosa Mixed,** all colors. Pkt., 10c.

**1455 Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

**1465 The Chinese Woolflower (Celosia Childsii).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. Pkt., 15c.

**1466 Chinese Woolflower Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.

**1460 Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c.

**1462 Chrysanthemiflora.** Produces a compact round head of flowers in many attractive shades, the deep crimson and pastel shades being particularly attractive, the stems are round and straight and very strong. Pkt., 25c.

**1470 Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver-white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip. Pkt., 10c.

**1475 Dwarf Plumosa Mixed.** Good for pots. Pkt., 10c.

## SPECIAL MIXTURE OF ANNUALS

## FOR CUT FLOWERS

**1400** This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

If you should have no use for this catalog, please pass it on to some one interested in Gardening.



Cardinal Climber

## CARDINAL CLIMBER □ = 25 ft.

**1320** This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite play ground of dainty humming birds. 2 pkts., 25c; 5 pkts., 50c; pkt., 15c.

## CANNA ÷ 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

**1310 Giant Flowered, Mixed.** Pkt., 10c.

**1311 New Varieties, Mixed.** These seeds are selected from a choice collection of a French specialist who has given much time and attention to this plant. These seeds should produce first-class varieties. Pkt., 25c.

**1312 Large Flowering Pink.** Pkt., 25c.

CASTOR OIL PLANT, see Ricinus.



Celosia Childsii—Crimson



Centaurea Imperialis Mixed





Centaurea Cyanus Vaughan's Special Mixture

### CENTAUREA CYANUS (Bachelor's Button or Cornflower) □ 2 ft.

They are easy to grow, take care of themselves, bloom continuously, and even come up again the next year from the seed that has dropped in the ground. Just sow the seed broadcast wherever you want the plants to grow. If the soil is rich, the flowers will be larger and have longer stems. They are lovely if sown together with scarlet poppies. You should make sowings at intervals of three weeks apart, beginning in early May.

#### Single Flowering

1525 Dwarf Victoria. 9 in. Edging, blue. Pkt., 10c.

#### Double Flowering Varieties

1500 Pure White. 1511 Mauve.  
1505 Blue. 1515 Purple.  
1510 Pink and Rose Shades.

Each of the above, ¼ oz., 25c; pkt., 10c.

1520 Double Mixed. ¼ oz., 20c; pkt., 10c.

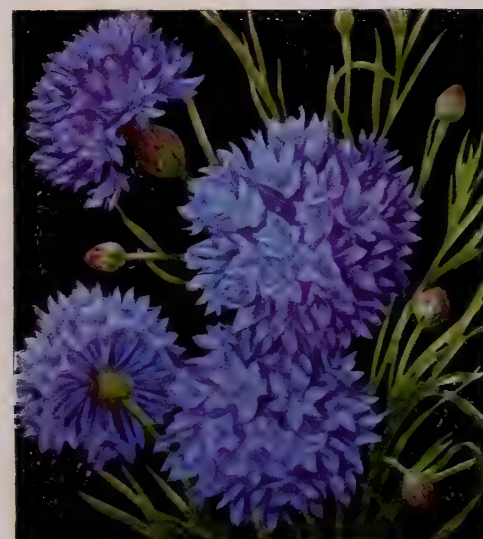
1535 Vaughan's Special Mixture of Bachelor's Buttons, double and single varieties. ¼ oz., 25c; pkt., 10c.



**Imperialis (Giant Sweet Sultan)** 2½ ft. This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

1540 White.  
1545 Lilacina. Dark lilac.  
1550 Favorita. Brilliant rose.  
1560 Splendens. Purple-crimson.  
1565 Deep Lavender.  
1566 Amaranth. Rich plum color.  
1570 Imperialis, Mixed, all colors.

Each of the above, pkt., 10c.



Centaurea Double Blue Bachelor's Button

### CENTAUREA—Continued

1590 Vaughan's Special Mixture of Centaureas is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. ½ oz., 40c; pkt., 10c.



#### Various Centaureas

1480 Americana. 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.

1485 Americana Alba. 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

1575 Moschata Mixed. Sweet Sultan, white, red and blue. Pkt., 10c.

1580 Suaveolens. Yellow Sweet Sultan. Pkt., 10c.

#### White Leaved Centaureas

(Dusty Millers for Bedding)

1595 Candidissima. 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c.

1600 Gymnocarpa. 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

Cineraria Maritima Diamond is also known as Dusty Miller.

CHINESE FORGET-ME-NOT—See Cynoglossum amabile.

CHRISTMAS ROSE—See Helleborus Niger in perennial pages.

### CENTROSEMA □ = 10 ft.

A hardy vine of rare and exquisite beauty. Bears in the greatest profusion inverted, pea-shaped flowers, and ranging in color from rosy violet to reddish purple, with a broad feathered white marking through the center, while the large buds and the back of the flowers are pure white.

1610 Grandiflora Butterfly Pea. Pkt., 15c.

### CHEIRANTHUS

1609 Kewensis (Siberian Wallflower). 12 in. Flowers brilliant orange-yellow. A biennial but it will bloom freely from seed the first year. Pkt., 25c.

1611 Linifolius (Alpine Wallflower). 9 in. Charming hardy annual which may also be treated as a biennial with equal success. Wallflower-like blossoms of an uncommon lilac shade. Pkt., 15c.

### CINERARIA HYBRIDA + 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and may be enjoyed by any one possessing an ordinary greenhouse.

1715 Vaughan's Columbian Mixture. This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. Pkt., 60 seeds, 25c.



1720 Good Mixed. Pkt., 10c.

1726 Hybrida Multiflora Nana. A new race of Cineraria, producing dwarf plants with masses of small flowers, measuring about ¾-inch diameter, compact heads over small and dainty foliage. The flowers are all self-colored. Pkt., 35c.

1722 Stellata Mixed. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt., 100 seeds, 25c.

1723 Feltham Beauty. Somewhat similar to but dwarfier than Cineraria Stellata, with larger flowers and broader petals, but retaining the true star shape. This mixture has many distinct colors, many having white centers. Pkt., 35c.

1725 Radiata Polyantha. 2 to 3 ft. The small starry flowers are in many pleasing shades. Pkt., 25c.

### CINERARIA MARITIMA (Dusty Miller)

1730 Maritima, Diamond. White leaved, for bedding only. Pkt., 10c.

### CHRYSANTHEMUM □

#### Single Flowering Varieties

They produce long, stiff stemmed flowers in attractive shades and color combinations. Garfield Park conservatory in Chicago exhibited many of them in the spring show last year.

1620 Morning Star. Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1625 Evening Star. Rich sunflower-yellow, disc dark yellow. Pkt., 10c.

1626 Eastern Star. Primrose with brown disc. Pkt., 10c.

1627 Purpureum W. E. Gladstone. Rich, velvety crimson. Pkt., 10c.

1630 Eclipse (Chameleon). Clear yellow petals with dark disc. Pkt., 10c.

1635 Burridgeanum. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1640 Golden Feather. Foliage striking yellow; flower with a crimson ring near center. Pkt., 10c.

1645 The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1650 Northern Star. Large pure white fringed petals with canary-yellow zone around a dark brown eye. Pkt., 10c.

1655 Vaughan's Special Single Mixed. Showy flowers of various bright colors. Pkt., 15c.

Chrysanthemum  
Vaughan's Special Annual Mixed

1700 Vaughan's Special Mixture of Annual Chrysanthemums. Single and double sorts in finest mixture including many new varieties not cataloged. ½ oz., 25c; pkt., 10c.



#### Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers.

1656 Coronarium Double White. Pkt., 10c.

1659 —Double Golden Yellow. Pkt., 10c.

1695 Vaughan's Special Mixture of Double Chrysanthemums. ½ oz., 25c; 10c. pkt.,

The following are valuable for pots.

1710 Chinese and Japanese Varieties Mixed. If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. Pkt., 100 seeds, 25c.

### CHINESE LANTERN PLANT

(Physalis Franchetii) is a perennial easily raised from seed and produces its lanterns the second year from seed. See Perennial pages. Number 8345.

### CLARKIA □ 2 ft.

An easily grown annual doing well in rather poor soil. The flowering sprays are long and need staking. The double flowers appear in terminal clusters and the axils of the upper leaves. One author accurately describes them when she says they resemble sprays of "Flowering Almond".

1740 Apple Blossom. Double apple blossom.

1743 Brilliant. Double salmon-scarlet.

1746 Chamois. Double.

1755 Queen Mary. Double rose carmine.

1760 Salmon-Pink. Double salmon.

1765 Scarlet Queen. Double orange-salmon.

1766 Vesuvius. Fiery scarlet and rose.

1770 White Prince. Very double, pure white.

Each of above, pkt., 10c.

1790 Vaughan's Special Mixture.

Made up especially from the above named varieties. Pkt., 10c.



Clarkia Vaughan's Special Mixture





Cobaea Scandens

**COBAEA**

- 1820 Scandens, Cathedral Bells □ = 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green, but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer.
- 1825 Flore Albo. White.
- 1830 Mixed. White and blue.
- Each of the above, pkt., 10c.

**CLEOME**

- 1800 Pungens (Spider Plant) □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. The airiness of the Spider Plant lends a touch to the garden which nothing else gives. Pkt., 10c.

**CLIANTHUS**

- 1810 Dampieri (Glory Pea of Australia) + 2 ft. Clusters of bright red flowers with black spot. Pkt., 15 seeds, 25c.

COCKSCOMB—See Celosia cristata.

**COIX**

- 1850 Lachrymae (Job's Tears) □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 10c.

**COSMIDIUM**

- 1930 Orange Crown □ 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c



Cosmidium Orange Crown

**COLEUS**

- 1855 Vaughan's Mammoth Rainbow Mixture + 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich. Pkt., 25c.



- 1860 Fine Mixed. Pkt., 10c.
- 1862 Pyrenean Giant. Large leaves with whitish ground dotted with red shades. Pkt., 25c.

**COLLINSIA**

- 1870 Mixed □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.
- CORN RAINBOW—See Zea Japonica.

**COLLOMIA**

- 1871 Coccinea 9 in. Hardy annual of compact habit, producing large heads of brilliant orange-red starry flowers; very distinct in color. Pkt., 10c.

**CONVOLVULUS (Morning Glory) □ =****Major—Tall Varieties**

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

**Convolvulus Morning Glory Mixed**

- 1887 Rose 1891 Striped
- 1889 Crimson 1892 Dark Blue
- Each of the above, pkt., 10c.
- 1900 Mixed, all colors. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.
- 1905 Double Mixed. The flowers are double and semi-double and some are fringed. Pkt., 10c.
- 1910 Double Snow Fairy. The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. Pkt., 10c.

**Minor—Dwarf or Bush Varieties. 1 ft.**

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

- 1920 Mixed, all colors. 1 oz., 15c; pkt., 10c.

**COSMOS □ 4 to 6 ft.**

One of the most attractive plants for the garden—blooming in early summer and continuing until frost; grows easily; makes a fine symmetrical bush of feathery green foliage covered with lovely long stemmed flowers.

**Early Flowering Mammoth**

- 1935 White. 1945 Crimson.
- 1940 Pink.
- Each of the above, pkt., 10c.
- 1950 Early Flowering Mammoth Mixed, all colors. ¼ oz., 20c; pkt., 10c.



Cosmos Miniature Golden

**COSMOS—Continued**

- 1954 Miniature Golden. 18 in. Therich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower. Pkt., 15c.
- 1955 Early Harbinger Mixed. Contains new shades such as soft shades of pink, peach, apple-blossom, lavender and other intermediate shades, all giant flowered of the early flowering type. Pkt., 25c.
- 1980 Klondyke. A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. In the Northern States seed should be sown early in pots and the pots plunged in the ground as the roots have to be confined to produce flowers. Pkt., 10c.

**Anemone Flowered or Crown and Crested**

These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

- 1981 Crimson. 1983 White Queen.
- 1982 Pink Beauty. 1984 Mixed.
- Each of the above, pkt., 15c.

**Double Early Flowering**

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed.

- 1990 Pink.
- 1991 White.
- 1992 Crimson.
- Each of the above, pkt., 25c.
- 1994 Above 3 colors mixed. Pkt., 25c.



Cosmos Double Early Flowering Mixed





Crepis Barbata Rosea

**CREPIS**

1998 **Barbata Rosea** 18 in. (Hawkweed) showy star-like semi-double flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 15c.

**CUPHEA**

2000 **Platycentra** (Cigar Plant) ÷ 10 in. Small scarlet and black tubular flowers; dark green foliage. Pkt., 20c.

**CYCLAMEN (Alpine Violet) + 1 ft.**

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming.

2010 **Giant Flowered Cyclamen**. Mixed, extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, \$1.20.

**CYNOGLOSSUM**

2015 **Amabile Chinese Forget-Me-Not**. 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. Pkt., 25c.

2016 **Linifolium**. 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

**CYPERUS**

2030 **Alternifolius** (Umbrella Plant) + 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. Pkt., 10c.

**CYPRESS VINE** □ = 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly ornamental.

2035 **White**. Pkt., 10c.

2037 **Scarlet**. Pkt., 10c.

2040 **Mixed**. ½ oz., 20c; pkt., 10c.

2045 **Ivy-Leaved Scarlet**. A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.

Cynoglossum Amabile  
Chinese Forget-Me-Not**DAHLIA** □ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

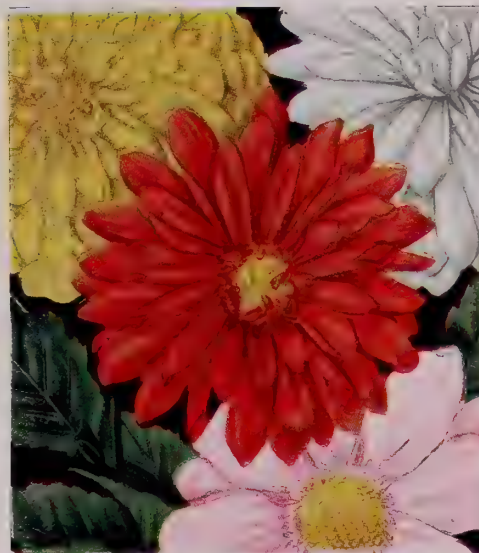
**Single Flowering**

2055 **Collarette, Mixed Colors**. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2065 **Giant Perfection Mixed**. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

2067 **Stella**. A new form of the Single Cactus type of Dahlia, suggesting the shape of a Star-fish, due to the peculiarly recurved shape of the ray petals, which are of a different color on the reverse side, the tints of the latter being generally marbled or watered. Pkt., 25c.

2090 **Vaughan's Special Mixture**. This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.



Dahlia Vaughan's Special Mixture

**Double Flowering**

2070 **Double Good Mixed**. Pkt., 10c.

2075 **Double Cactus Flowered Mixed**. With twisted and curled petals. Pkt., 15c.

2080 **Double Best Mixed**. Saved from show and fancy sorts. Pkt., 25c.

2082 **Hornsveld's Giants**. Wonderful new single and semi-double flowers in many brilliant colors. Pkt., 50c.

See also Novelties.

**DATURA (Angel's Trumpet)** □ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse.

2100 **Cornucopia** (Horn of Plenty). Immense flowers, triplicate in form, like three cones, one within the other; color rich violet, with white interior. Pkt., 10c.

2105 **Golden Queen**. Bright yellow flowers.

2110 **Double White**.

2115 **Double Fine Mixed**.

Each of the above, pkt., 10c.

Have you tried Fall Planting of annual flower seeds? It is very interesting and one secures earlier flowers.



Dianthus Special Double and Single Mixed

**DIANTHUS****(Annual Garden Pinks)** □ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly. In our latitude the plants live over winter.

**Single Flowering**

2190 **Crimson Belle**.

2193 **Eastern Queen**. Large and beautiful flowers, marbled rose and white.

2196 **Salmon Queen**. Salmon-scarlet.

2199 **Magpie**. Dark red, edged with silvery white.

2205 **Mirabilis**. Petals are deeply cut into fringes. All shades from pure white to deep purple.

2207 **The Bride**. White with purple center.

2218 **Violaceous**. Single violet.

Each of the above, pkt., 10c.

2240 **Laciniatus Splendens**. The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. Pkt., 20c.

2245 **Vaughan's Special Mixture, Single Pinks**. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c.

**Double Flowering**

2255 **Salmon**. A beautiful shade.

2256 **Tom Thumb Brilliant**. Dwarf, bright red, double. Pkt., 20c.

2260 **Diadematus Mixed**. Beautiful flowers in various shades with the outer edges fringed and almost white.

2265 **Count Kerchove**. Blood-red, black spots.

2272 **Brilliant Rose**.

2280 **Lucifer**. Double orange.

2283 **Violet Queen**. Flowers double brilliant purple, blue-violet colored.

2285 **Mourning Cloak**. Flowers very dark velvety crimson, each petal strikingly edged white.

2290 **Fireball**. Scarlet, compact, floriferous.

2293 **Snowball**. Compact, fringed white flowers.

2295 **Rosalind**. Double rose flowers. Pkt., 15c.

2296 **Midnight**. Double blood-red.

Each of the above, except where noted, pkt., 10c.

2300 **Vaughan's Special Mixture of Double Pinks**. Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. ¼ oz., 30c; pkt., 10c.



2305 **Vaughan's Special Mixture of Double and Single Pinks**. This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. ¼ oz., 30c; pkt., 10c.







Didiscus Coeruleus

**DIDISCUS COERULEUS**

2310 **Lavender Lace Flower** □ 3 ft. Another charming blue annual, with dainty lavender-blue flowers which resemble in form the Queen's Lace Handkerchief of our roadside. Excellent for bedding and a very desirable cut flower. Pkt., 10c.

**DIGITALIS** (Foxglove)—See Colored Perennial Pages.

**DIMORPHOTHECA**

2320 **Aurantiaca**. (Orange African Daisy) □ 1 ft. The Marguerite-like blossoms of the African Orange Daisy show a unique rich orange gold, which is rendered more conspicuous by their dark-colored discs. Pkt., 10c.

2325 **Aurantiaca Hybrida**. They vary in color from the purest white to red and blush, white tints, sulphur, lemon and bright golden yellow, light orange, reddish yellow changing to pale salmon-rose. Pkt., 10c.

2326 **Ecklonis**. A beautiful species of the Cape Marigold, of light graceful habit and bearing elegant white flowers, 3 in. across, with dark blue-spotted centre, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt., 15c.

**DELPHINIUM ANNUAL**—See Larkspur.

**DOLICHOS** (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods.

2330 **Princess Helen** (Daylight). Snow-white flowers followed by silvery white seed pods. Pkt., 10c.

2335 **Purple Soudan** (Darkness). Attractive rose-violet flowers with dark ruby-purple seed pods. Pkt., 10c.

2340 **Mixed**, all colors 1 oz., 20c; pkt., 10c.

2345 **Lignosus** (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.



Dolichos Daylight and Purple Soudan

**DRACAENA**

2350 **Indivisa** □ + 2 ft. Ornamental leaved plants; long, narrow, green-leaved foliage. Pkt., 10c.

**DUSTY MILLER**—See Centaurea and Cineraria.

**ESCHOLTZIA** (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowing plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain. The California Poppy makes an interesting plant for the foreground of the border, bringing a touch of gold and gray from the foothills of the West.

2365 **Alba**. Double white.

**Bush**—See Hunnemannia.

2370 **Carmine King**. Beautiful carmine-rose color, both on the interior and exterior of the flower.

2375 **Canaliculata Rosea**. Beautiful rosy pink.

2376 **Chrome Queen**. Flowers of lovely soft buff yellow.

2380 **Dainty Queen**. Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream.

2385 **Golden West**. Flowers bright yellow and orange, penciled and blotched.

2387 **Mandarin**. Inner side of the petals orange, the outer side brilliant scarlet.

2392 **Mikado**. Flowers lustrous orange-crimson.

2397 **Rose Cardinal**. Flowers pretty dark rose, inside blush.

2398 **The Geisha**. Orange-red outside, rich golden within.

2410 **Double and Semi-Double Mixed**.

Each of the above, pkt., 10c.



Escholtzia Vaughan's Special Mixture

2415 **Vaughan's Special Mixture**. This mixture includes all the varieties here cataloged of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ½ oz., 40c; pkt., 10c.

**EXACUM**

2445 **Affine**. Greenhouse plant 1 to 2 ft. high with numerous bluish lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. Pkt., 50c.

**EUPHORBIA** □ 2 ft.

Strong growing annuals, for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

2430 **Heterophylla** (Mexican Fire Plant). Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 **Variegata** (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Pkt., 10c.

**EVERLASTINGS**

Winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long, cold winter, when flowers are scarce, a bit of brightness for your own home. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

**Annuals**

- 151 **Acroclinium Roseum**. Double 2 ft. Pkt., 10c.
- 295 **Ammobium Alatum Grand**. Pkt., 10c.
- 2525 **Gomphrena** Mixed, all colors. Pkt., 10c.
- 2810 **Helichrysum** (Strawflower). Vaughan's Special Mixture. Pkt., 15c.
- 4525 **Rhodanthe**. Mixed colors. Pkt., 10c.
- 4795 **Statice Russian** (Suworowii). Pkt., 15c.
- 4800 **Bonduellii**. Pkt., 10c.
- 4802 **Sinuata True Blue**. Pkt., 10c.
- 4801 **Sinuata Rosea Superba**. Pkt., 10c.
- 4804 **Sinuata White**. Pkt., 10c.
- 5849 **Xeranthemum Double Mixed**. Pkt., 10c.

**Perennials**

- 7788 **Echinops Ritro** (Globe Thistle). Pkt., 10c.
- 7795 **Eryngium Planum** (Sea Holly). Pkt., 10c.
- 7860 **Gypsophila Paniculata** Fl. Pl. Pkt., 25c.
- 8150 **Lunaria Biennis**, or **Honesty**. Pkt., 10c.
- 8345 **Physalis Franchetti** (Chinese Lantern Plant). Pkt., 10c.
- 8520 **Statice Latifolia** (Sea Lavender). Pkt., 10c.
- 2440 **Everlastings Mixed**. 1 to 2 ft. Pkt., 10c.

All the Ornamental Grasses.

**ERAGROSTIS**

2359 **Elegans** (Love Grass). Of erect growth about 18 inches high. With feathery panicles, nice for cutting. Pkt., 10c.

**ERYTHRINA**

2360 **Crista Galli** (The Coral Tree) + 4 ft. A fine plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Pkt., 15c.

**EUCALYPTUS**

2425 **Globulus** (Blue Gum) ÷ Admirable for sub-tropical bedding or greenhouse decoration. Pkt., 10c.

**EUTOCA**

2439 **Viscida** 1 Ft. A lovely little plant with intense brilliant blue flowers, exceedingly effective in beds and borders, a good bee flower. Pkt., 10c.

**FORGET-ME-NOT**—See Myosotis.

**FOUR O'CLOCK**—See Mirabilis.

**FOXGLOVE**—See Digitalis.

**FREESIAS**

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

2450 **Refracta Alba**. White. Pkt., 10c.

2455 **Rainbow Hybrids**. Very attractive because of their unique colorings and shadings. Pkt., 15c.

**FUCHSIA HYBRIDA** (Ladies' Eardrop)

2460 **Double and Single Mixed** ÷ 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year if planted early. Pkt., 20c.



Euphorbia Snow on The Mountain





Gaillardia Lorenziana Double Mixed

**GAILLARDIA (Blanket Flower)** □ 1½ ft.

One of the most profuse bloomers of the flower garden, the color of the Gaillardia may be termed "sunset" because the flowers run to reds and oranges, rose-tinted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant.

2465 *Amblyodon*. Deep red. Pkt., 10c.

2466 *Picta Josephus*. Large red blossoms, edged yellow. Pkt., 15c.

2467 *Picta Aurora Borealis*. Brown, red and yellow. Pkt., 10c.

2470 *Picta Single Mixed*. Pkt., 10c.

2474 *Lorenziana Rubra*. Beautiful double red flowers. Pkt., 15c.

2475 *Lorenziana Double Perfection Mixed*. Large handsome heads of double quilled flowers in rich shades of red and yellow. Pkt., 10c.

See also Colored Perennial pages.

**GAURA**

2480 *Lindheimeri* □ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. Pkt., 10c.

**GERANIUM** ÷ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2485 *Zonale Varieties*. Saved from a choice collection. Pkt., 10c.

2490 *Large Flowering, Newest Varieties Mixed*. Pkt., 50 seeds, 15c.

2495 *Apple-scented*. Leaves fragrant. Pkt., 25 seeds, 15c.

2500 *Lady Washington (Odier)*. Large flowers, beautifully blotched. Pkt., 10 seeds, 50c.



Gilia Blue Thimble Flower

**GERBERA (Transvaal Daisy)**

2504 *Jamesoni Hybrids*. They are half-hardy perennials. The daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. For garden culture in cold climates the plants are wintered over in cold frames. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from pure white through yellow, orange, salmon, rose, cerise and ruby-red to violet. Pkt., 25 seeds, 25c.

**GESNERIA**

2505 *Robusta Perfecta Hybrids*. A fine pot plant. It belongs to same class as the Gloxinias and needs same culture in greenhouse. By regulating their rest period may be brought into bloom at almost any time. Pkt., 50c.

**GILIA**

2532 *Capitata (Blue Thimble Flower)*. 2 ft. Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across, much like *Scabiosa*. Makes a good cut flower as the blooms last well in water. May also be used as everlasting, as the flowers retain their beautiful color when dried. Pkt., 10c.

2530 *Mixed* □ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

2531 *Tricolor, "Bird's Eyes"*. 7 inches to 1 foot high. Flowers pale lilac, yellow toward the center, with five purple spots. Charming combination of colors. Pkt., 15c.



Godetia Gladiolus Flowered

**GODETIA** □ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

2570 *Duchess of Albany*. Pure white.

2573 *Gloriosa*. Deep blood-red.

2576 *Rosamunde*. Fiery rose.

2579 *Lady Satin Rose*. Bright carmine.

2583 *The Bride*. White and red.

2584 *Whitneyi*. Double Azalea flowered pink blossoms. Excellent for pots. Pkt., 15c.

2587 *Many Sorts and Colors Mixed*.

2598 *Dwarf Sorts Mixed*. Neat globular, about 10 in. in height.

Except where noted, pkt., 10c.

**Gladiolus Flowered**

Are quite different from other sorts, inasmuch as they throw up flower spikes much like a gladiolus only more graceful, which are closely set by double flowers in bright and attractive colors. An excellent cut flower. Glorify your garden with Godetia Gladiolus Flowered.

2588 *Carmine*.

2589 *Rosy Morn*.

2590 *Rose*.

2591 *Mixed*, three colors noted above.

Each of the above pkt., 15c.

**GLOXINIA**

2560 *Vaughan's International Mixture* + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

2565 *Fine Mixture*. Pkt., 15c.



Gomphrena for Winter Bouquets

**GOMPHRENA (Globe Amaranth)**

A showy annual everlasting with clover-like heads.

2506 *Globosa Alba*. White.

2510 *Rubra*. Red.

2515 *Pink*.

2525 *Mixed*, all colors.

Each of the above, pkt., 10c.

2520 *Orange*. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.

**GLADIOLUS**

2540 *Many Varieties Mixed*. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

2545 *Primulinus Hybrids*. Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

GOURDS—See next page.

**GYPSOPHILA** □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

2680 *Elegans Grandiflora Alba (Angel's Breath)*. This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 10c.

2682 *Elegans Vivid Rose*. Pkt., 10c.

2683 *Elegans Crimson*. Pkt., 15c.

2685 *Elegans Rosea*. Soft pink. ½ oz., 25c. Pkt., 10c.

2690 *Muralis*. 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.



Gypsophila, Angel's Breath





Gourds Mixed

**GOURDS** □ = 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. The looms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

- 2600 Apple-shaped. Beautifully striped.  
 2605 Bottle. The original Thermos bottle.  
 2608 Calabash or Pipe Gourd. Odd-shaped fruit which is used to an advantage in making pipes.  
 2610 Dipper. Fruit makes an excellent dipper and may be used for wren's nests.  
 2615 Dishcloth or Towel. Luffa Acutangula known as Sing-kwa. The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.  
 2618 Hercules Club. Fruit grows 3 to 4 ft. long.  
 2620 Gooseberry. Gooseberry-shaped fruit.  
 2625 Japanese Nest Egg. May be used as nest eggs.  
 2627 Orange. The well known Mock Oranges.  
 2630 Ornamental Pomegranate or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.  
 2635 Pear-Shaped. Striped yellow and green.  
 2640 Sugar Trough. Thick shells, very durable.  
 2643 Spoon. Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made.  
 2645 Turk's Turban. Odd brightly colored fruit. Each of the above pkt., 10c.

- 2650 Small Fruited Varieties Mixed. Pkt., 10c.  
 2660 Mixed, all varieties. 1 oz., 30c; ½ oz., 20c; pkt., 10c.

**GRASSES**

- 2670 Ornamental Mixed □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

**Ornamental Grass Collection**

- 235 Agrostis Nebulosa. Pkt., 10c.  
 1149 Briza Gracillima Minor. Pkt., 10c.  
 1150 Briza Maxima. Pkt., 10c.  
 1850 Coix Lachrymae. Oz., 10c.  
 2030 Cyperus Alternifolius. Pkt., 10c.  
 2359 Eragrostis Elegans. Pkt., 10c.  
 3920 Pennisetum Longistylum. Pkt., 10c.  
 3925 Pennisetum Rueppelianum. Pkt., 10c.  
 5654 Trichola Ena Rosea. Pkt., 10c.  
 6175 Zea Japonica Quadricolor Perfecta. Pkt. 10c.

**GREVILLEA**

- 2675 Robusta (Silk Oak) ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage. Excellent for fern dish use. In California and Florida develops into an ornamental tree. Pkt., 10c.

**HAWKWEED**—See Crepis.

**HELIANTHUS (Sunflower)** □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfier kinds, with smaller flowers, are charming when grouped in mixed flower borders.

**Large Flowered Tall**

- 2700 Annuus Purpureus, Gaillardia-flowered or Red Sunflower. 4 to 8 ft. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Pkt., 10c.

- 2704 Intermediate Sanguineus Excelsior. The new blood-red sunflower. A cross between the Helianthus cucumerifolius purpureus and the Helianthus annuus purpureus; from the former it secured its elegant growth, while the latter furnished the large size of the magnificent red flowers. Pkt., 15c.

- 2705 Argyrophyllus. 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles. Pkt., 10c.

- 2707 Californicus Fl. Pl. 5 ft. Double dark yellow. Pkt., 10c.

- 2709 Chrysanthemum Flowered Double. 6 ft. Golden yellow flowers. Pkt., 10c.

- 2715 Double Mixed. Pkt., 10c.

- 2717 Globosus Fistulosus Fl. Pl. 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. Pkt., 10c.



Helianthus Cucumerifolius

- 2722 Nanus Flore Pleno. 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

- 2725 Russian Mammoth. Single, of gigantic dimensions. A couple of rows of sunflowers planted on the outside of the poultry yard fence will serve a double purpose. They will make splendid shade and provide good feed. 1 oz., 3c.

**Miniature-Flowered**

The cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers.

- 2727 Cucumerifolius. 3½ ft. Charming small flowers, rich golden yellow with brown-black center. Pkt., 10c.

- 2735 Stella. Large golden yellow petals; small, dark center. Pkt., 10c.

- 2737 Orion. Petals rolled, resembling Single Cactus Dahlia. Pkt., 10c.

- 2740 Purpureus. Flowers shades of red and yellow. Pkt., 10c.

- 2745 Double Hybrids. Double and semi-double flowers. Pkt., 10c.

- 2750 Liliput, Baby Sunflower. 6 to 8 in. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disk. Pkt., 10c.

- 2755 Vaughan's Special Mixture. Includes all the above of cucumerifolius varieties. ¼ oz., 20c; pkt., 10c.

- 2760 Vaughan's Special Mixture of all the single and double Sunflowers. ¼ oz., 25c; pkt., 10c.



Helichrysum Vaughan's Special Mixture

**HELICHRYSUM (Strawflower)**

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

- 2770 Silver Ball. 2785 Rose Queen.  
 2775 Fire Ball. 2790 Salmon Queen.  
 2780 Golden Ball. 2795 Violet Queen.

Each of the above, pkt., 10c.

- 2800 Mixed, all colors. Pkt., 10c.

- 2810 Vaughan's Special Mixture. This mixture of Helichrysum in an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.

**HELIOTROPE ÷ 2 ft.**

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbenas.

- 2820 Mammoth Mixed. Flowers of great size and ranging in shade from dark blue to lilac. Pkt., 15c.

- 2825 King of the Blacks. Deep purple, almost black. Pkt., 15c.

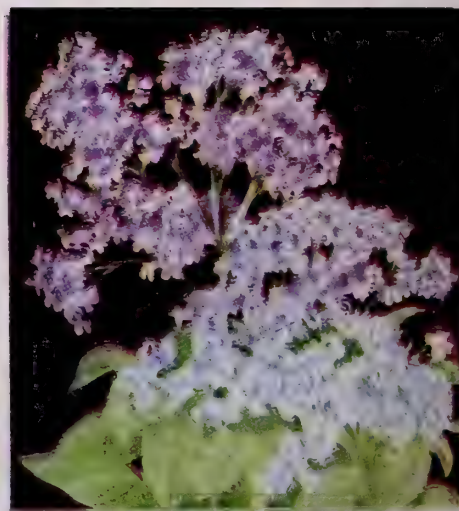
- 2826 Madam Bruant. This is a dwarf-growing variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 25c.

- 2827 White Lady. A large flowering pure white variety. Very fragrant. Pkt., 15c.

- 2830 Fine Mixed. Pkt., 10c.

**HERNIARIA**

- 2833 Hirsuta. 2 in. Valuable ground cover for places where grasses fail. Makes a dense mat of moss-like foliage with inconspicuous greenish white flowers. Pkt., 15c.



Heliotrope Mammoth Mixed





Hunnemannia Bush Escholtzia

**HUNNEMANNIA**

2860 *Fumariaefolia* (Bush Escholtzia, or Yellow Tulip Poppy)  $\square$  1½ ft. Another sun-kissed golden yellow poppy, too little known. Is pleasing both in the border and as a cut flower. The plants grow into a shrubby bush and produce their large cup shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow; the petals are broad and crinkled. Pkt., 10c.

**HOLLYHOCKS (Annual)  $\square$  5 ft.**

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2840 *Everblooming Single Mixed*. Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c.

2845 *Everblooming Double Mixed*. Double and semi-double. Pkt., 10c.

(For other Hollyhocks see Perennial List printed in colors.)

**HONESTY**—See *Lunaria* in perennial pages.

**HUMULUS JAPONICUS (Japanese Hop)**

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 *Green Leaved*. Pkt., 10c.

2855 *Variegated Leaved*. The large, handsome leaves are beautifully variegated white, green and yellow. Pkt., 10c.

**HYACINTH BEAN**—See *Dolichos*



White Moonflower

**ICE PLANT**

2870 *Mesembryanthemum Crystallinum*  $\square$  6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2871 *Mesembryanthemum Tricolor*. 1 ft. Flowers yellow, blood-colored inside, with brown anthers. Pkt., 10c.

**IMPATIENS (Zanzibar Balsam)**

$\div$   $\square$  1½ ft.

One of the prettiest plants for pot culture and also for outdoor planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

2875 *Holstii*. Of rapid and vigorous growth and producing large flowers of a brilliant salmon-scarlet. Pkt., 15c.

2880 *Holstii Hybrids*. They range in color from pink through the red shades to purplish violet. Pkt., 15c.

2881 *Sultani*. Bright rose. Pkt., 15c.

2882 *Sultani Hybrida*. Colors range from pale pink to dark crimson. Pkt., 15c.

**IONOPSIDIUM**

2890 *Acaule* (Violet Cress)  $\square$  3 in. A lovely miniature rapid-growing and early flowering plant, forming dense tufts of foliage smothered in tiny, pale lilac flowers. Pkt., 10c.

Japanese Morning Glory  
Vaughan's Special Mixture**IPOMOEA  $\square$  = 20 ft.**

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 *Bona Nox* (Evening Glory). Violet flowers. Pkt., 10c.

2900 *Coccinea* (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2905 *Mexicana Grandiflora Alba* (White Moon Flower). Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c.

2910 *Mexicana Grandiflora*, Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

2915 *Imperialis* (Japanese Morning Glory), Fine Mixed. The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., \$1.50; ¼ lb., 55c; 1 oz., 20c; ½ oz., 15c; pkt., 10c.

2925 *Vaughan's Special Mixture*, Japanese Morning Glories. The colors run from snow-white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in

**IPOMOEA—Continued**

wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., \$1.00; 1 oz., 30c; ½ oz., 20c; pkt., 10c.

2930 *Learii*. Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.

2935 *Rochester*. Flowers 4 to 5 in. across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edges. Pkt., 10c.

2941 *Early Flowering Rubro Coerulea* (Heavenly Blue). The flowers measure from 3½ to 4 in. across and in color they are very darkest sky-blue with a white throat. They are profuse bloomers and during a long season the vines are a mass of baby-blue blossoms. Rank growers and the roots should be confined. A favorite of Mrs. Francis King. Pkt., 25c.

2950 *Setosa* (Brazilian Morning Glory). The stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

**ISOLOMA**

2960 (*Hirsutum Multiflorum Hybridum*) + 12 to 18 in. The large leaves, which are of a texture similar to those of the *Gloxinia*, are of a rich dark green; the reverse of them, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. This is a most desirable pot-plant. Pkt., 50c.

**JOB'S TEARS**—See *Coix Lachrymae*.

**KAULFUSSIA**

2970 *Amelloides*.  $\square$  6 to 12 in. An excellent annual of easy culture with aster-like flowers. Pkt., 10c.

**WEST CHICAGO PARK COMMISSIONERS**

Vaughan's Seed Store

Last year we bought from your firm the new Swiss Giant Pansy. We certainly have had the most excellent results. The average flower of this variety was easily double the size of any other variety we have had from you, and the coloring was exquisite. I had several bunches of them at the Men's Garden Club fall flower show along with our water lilies. I have planted the Swiss Giant Pansies bordering our rose beds at Humboldt park. They were beautifully in bloom all summer, and are still in bloom at this date. They are certainly remarkable in size, color and summer blooming. AUGUST KOCH, Chicago, Sept. 19, 1928. Chief Florist.

**KOCHIA**

2965 *Childsii*  $\square$  2½ ft. It resembles a close-clipped ornamental evergreen. The globe-shaped pyramidal bushes are close and compact and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. ½ oz., 15c; pkt., 10c.

**KUDZU VINE**—See *Pueraria*.



Kochia Childsii



**LAVATERA** ☐ 2½ ft.

The Lavateras or Annual Malloes are showy and effective plants, covered during the entire summer with gay flowers. For large borders and cutting they are very desirable.

2985 **Splendens Alba.** Very large, silky, pure white flowers. Pkt., 10c.

2990 **Splendens Rosea.** Very large, bright rose flowers. Pkt., 10c.

2991 **Splendens.** Mixed. Pkt., 10c.

**LAVENDER LACE FLOWER** — See *Didiscus Coeruleus*.

**LEPTOSIPHON**

3000 **French Hybrids** ☐ Free flowering hardy annuals, useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt., 10c

**LIMNANTHES**

3016 **Douglasi.** Marsh flower, yellow and white, fragrant, annual. Pkt., 15c.

**LINARIA**

3017 **Maroccana Hybrida Excelsior, Mixed.** 1 ft. A pretty strain having flowers dark violet to light blue, pink, crimson, and yellow, all with a blotched lip, very showy in borders. Pkt., 15c.



Annual Larkspur Vaughan's Special Mixture

**LARKSPUR**

Larkspurs, or Annual Delphiniums, bloom quickly from seed sown in the spring and their fine flower-spikes are exceedingly graceful and attractive in the garden. They furnish the finest cutting material.

**Double Stock-Flowered**

- |                      |                       |
|----------------------|-----------------------|
| 2120 Dark Blue.      | 2135 Lustrous Carmine |
| 2121 Dark Rose.      | (Newport Pink).       |
| 2125 Exquisite Pink. | 2140 Sky-Blue.        |
| 2127 Flesh Pink      | 2145 White.           |
| 2130 Lilac.          |                       |

Each of the above, ½ oz., 25c; pkt., 10c.

2150 Mixed, all colors, Oz., 60c; ¼ oz. 20c; pkt., 10c.

2160 Dwarf Rocket Mixed. 1 ft. Pkt., 10c.

2165 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 10c.

2170 **Vaughan's Special Mixture.** Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., \$1.00; ¼ oz., 30c; pkt., 10c.



See also Perennial pages and Novelties and Front Cover.

**LANTANA**

- 2975 **Hybrida, Mixed** + 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.
- 2980 **Dwarf Hybrids.** Mixed. Pkt., 15c.



Lavatera Splendens Mixed



Leptosyne Maritima

**LEPTOSYNE**

3010 **Stillmani.** 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden yellow flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 **Maritima.** (Sea Dahlia.) 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

**LUPINUS** ☐ 2 ft.

Free flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade.

3075 **Hartwegii, White.** Pure white flowers.

3080 **Oxford Blue.** Dark blue.

3085 **Cambridge Blue.** Light blue.

3090 **Roseus.** Rose colored flowers.

3095 **Annual Yellow.** Beautiful canary yellow. Each of the above, pkt., 10c.

3105 **Tall Annual Varieties, Mixed.** 1 oz., 30c; pkt., 10c.

3110 **Dwarf Annual Varieties, Mixed.** 1 ft. Pkt., 10c.

(See also Perennials.)



Lobelia Bedding Queen

**LOBELIA ERINUS COMPACTA** ☐

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 **Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet, with clear white eye. Pkt., 10c.

3045 **Crystal Palace Compacta.** Deepest blue, dark foliage. Pkt., 10c.

3050 **Emperor William.** Clear sky-blue, with green foliage. Pkt., 10c.

3051 **Prima Donna.** Rich velvety crimson. Pkt. 15c.

3055 **Pumila Rosea.** Dwarf pink. Pkt., 10c.

3056 **Pumila Alba.** Snowball, white. Pkt., 10c.

3067 **Tenuior.** Large flowered. Dark blue. Pkt., 15c.

3070 **Mixed colors.** ½ oz., 15c; pkt., 10c.

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3060 **Speciosa.** True dark blue, dark foliage. Pkt., 10c.

3061 **Hamburgia.** Sky-blue with white eye. Pkt., 10c.

3065 **Sapphire.** Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.

**LINUM**

3020 **Grandiflorum Rubrum (Crimson Flax)** ☐ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt., 10c.

**LOPHOSPERMUM**

3072 **Scandens.** (Climbing Foxglove.) 10 ft. An exceedingly handsome half-hardy climber with large pink flowers. Pkt., 25c.



Lupinus Tall Annual Mixed





Marigold Vaughan's Special Tall Mixed

**MARIGOLD (Tagetes) □**

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the color and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

**Double Tall African Varieties 5 ft.**

- 3125 **Eldorado.** Extremely large imbricated double flowers in yellow shades. Pkt., 10c.  
 3130 **Lemon Queen.** These are lemon color, but the formation of the flower is exactly like the Orange Queen. Pkt., 10c.  
 3135 **Orange Queen.** Large, perfect, double quilled flowers of a rich, deep, golden orange color. Very attractive. Pkt., 10c.  
 3136 **Vaughan's Special Mixture of Tall French varieties.** Pkt. 15c.  
 3145 **French Double Golden Yellow.** Pkt., 10c.  
 3146 **French Double Lemon Yellow.** Pkt., 10c.  
 3150 **Vaughan's Special Mixture Tall Marigolds.** This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc.  $\frac{1}{4}$  oz., 20c; pkt., 10c.  
 3155 **Tall French Striped.** Flowers have a yellow ground, with rich brown markings. Pkt., 10c.  
 3157 **Tall French Josephine.** Single dark brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Pkt. 10c.



Marigold Vaughan's Special Dwarf Mixture

**MARIGOLD—Continued****Double Dwarf African**

- 3160 **Mixed (Pride of the Garden).** 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.

**Dwarf French Double Sorts 10 in.**

- 3165 **Gold Striped.** Velvety maroon, striped gold. Pkt., 10c.  
 3166 **Robert Beist.** Shining purple-scarlet. An unusual shade. Pkt., 20c.  
 3175 **Vaughan's Special Mixture of Dwarf Marigolds, Double and Single Varieties.** These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers.  $\frac{1}{4}$  oz., 20c; pkt., 10c.

**Single Dwarf Varieties**

- 3180 **Gilt Edge.** Velvet maroon, edged with yellow. Pkt., 10c.  
 3185 **Golden Star.** Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.  
 3190 **Legion of Honor.** Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.  
 3200 **Signata Pumila.** A miniature Marigold forming compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 10c.



Marvel of Peru (Four o'Clocks) Mixed

**MARVEL OF PERU (Four o'Clocks)**

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season of white, yellow, crimson and violet. Very charming when used as a hedge plant, rivaling the privet, with its glossy foliage very closely set and dotted all over in the afternoon with a multitude of fairy flowers. It is a little known fact that roots of these may be lifted in the fall and stored like Dahlias and the tubers planted in spring. It will result in larger plants, stronger, and with more flowers.

- 3305 **Red.** 3307 **Lilac.**  
 3306 **Rose.** 3308 **Yellow.**  
 Each of the above, oz., 30c; pkt., 10c.  
 3290 **Mixed, all sorts and colors.**  $\frac{1}{4}$  lb., 50c;  
 1 oz., 15c; pkt., 10c.  
 3297 **Dwarf Mixed.** 12 in. Pkt., 10c.  
 3310 **Sweet-Scented (Longiflora Alba).** White Pkt., 10c.

**MALOPE (Mallow-Wort) □ 2 ft.**

Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

- 3115 **Alba.** Large white flowers. Pkt., 10c.  
 3120 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.

**MATTHIOLA**

- 3212 **Bicornis (Evening-scented Stock)** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance.  $\frac{1}{4}$  lb., 80c; 1 oz., 30c; pkt., 10c.



Mignonette Giant Machet

**MIGNONETTE (Reseda) □ 6 to 12 in.**

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

- 3225 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. Pkt., 10c.  
 3230 **Golden Queen.** Yellow. Pkt., 10c.  
 3235 **Goliath.** Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.  
 3236 **Giant Rocket.** 1 ft. The largest and most robust variety. The flowers are wonderfully fragrant and produced in great abundance. Many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.  
 3245 **Machet.** It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall.  $\frac{1}{4}$  oz., 25c; pkt., 10c.  
 3246 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. Pkt., 25c.  
 3250 **Pyramidal Large-Flowering.** Tall-growing variety. Pkt., 10c.  
 3260 **Mixed.** Many shades and types. Pkt., 10c.

**MAURANDIA**

- 3215 **Mixed** □ = 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c.



Marigold Legion of Honor





Myosotis (Forget-Me-Not)

**MYOSOTIS (Forget-Me-Not)**

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

- 3320 **Alpestris Blue.** Trailing habit. Pkt., 10c.  
 3325 **Alba.** White. Pkt., 10c.  
 3330 **Rosea.** Pink. Pkt., 10c.  
 3345 **Mixed.** Pkt., 10c.  
 3331 **Messidor.** Large indigo blue flowers on long stems which makes it a good cut-flower variety. Pkt., 25c.  
 3335 **Eliza Fonrobert.** Flowers large, sky-blue, with clearly defined white eye. Pkt., 10c.  
 3340 **Victoria.** The flowers are large, bright azure-blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. Pkt., 10c.

**NEMESIA** □ 1 ft

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, for edging, and for filling along the front of the taller things. The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow orange and blue.

- 3360 **Large Flowered Mixed.** 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 10c.  
 3365 **Blue Gem.** 7 inches. One of the best blue annuals for bedding. Pkt., 10c.  
 3368 **Scarlet.** Pkt., 10c.  
 3372 **Orange.** Pkt., 10c.  
 3373 **Rose.** Pkt., 10c.



Nemesia Large Flowering Mixed

# Vaughan's Nasturtiums

For ease of culture, duration of bloom, no annual excels the Nasturtium. Needing only moderately good soil in a well-drained, sunny location, they vouchsafe us a profusion of their gorgeous blossoms. The tall varieties are freest bloomers and produce the largest flowers.

**Tall Sorts**

- 3580 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on the same plant.  
 3585 **Dunnett's Orange.** Bright orange.  
 3590 **Edward Otto.** Brownish lilac.  
 3591 **Firefly.** Flowers yellow-spotted, cardinal red.  
 3593 **Fordhook Fashion.** Terra cotta on yellow ground, dark-leaved.  
 3596 **General Jacqueminot.** Rich crimson.  
 3656 **Golden Cloth.** Scarlet with yellow foliage.  
 3740 **Ivy-Leaved.** Mixed colors. All with fine fimbriated petals. Color intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful.  
 3615 **King Theodore.** Rich, deep crimson flowers, dark leaves.  
 3616 **King of the Blacks.** Black-red.  
 3620 **Pearl (Moonlight).** Creamy white.  
 3625 **Prince Henry.** Yellow, marble-scarlet.  
 3640 **Emperor of India.** Very dark foliage. Rich, deep scarlet flowers. The best red.  
 3645 **Twilight.** Yellow, marbled-salmon rose.  
 3650 **Vesuvius.** Salmon-rose, dark-leaved.  
 3665 **Variegated-Leaved Varieties.** Many colors mixed. These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with white. Each of above, pkt., 10c; oz., 20c.



Dwarf Nasturtium Vaughan's Special Mixture

**Dwarf Sorts**

- 3460 **Aurora.** Chrome yellow, blotched crimson.  
 3463 **Beauty.** Scarlet splashed-canary.  
 3469 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one plant.  
 3472 **Crystal Palace Gem.** Sulphur-spotted maroon.  
 3475 **David Burpee.** Velvety purple-scarlet flowers, foliage wavy, emerald green.  
 3480 **Empress of India.** Very dark leaves, crimson flowers.  
 3540 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.  
 3485 **Golden King.** Pure golden yellow.  
 3545 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.  
 3490 **King of Tom Thumbs.** Intense deep scarlet, dark foliage.  
 3495 **King Theodore.** Deep red flower, dark foliage.  
 3500 **Lacinium Mixed.** The flowers are deeply lacinated and appear in many attractive colors.  
 3505 **Lady Bird.** Orange, striped scarlet.  
 3508 **Pearl.** Creamy white.  
 3520 **Ruby King.** Ruby-red, dark-leaved.  
 3525 **Scarlet.** Dark scarlet.  
 3550 **Spencer, Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.  
 3555 **Variegated-Leaved Mixed.**  
 3530 **Vesuvius.** Salmon dark-leaved.  
 3535 **Yellow.**

Price, any of above, pkt., 10c; oz., 20c.

**3745 Vaughan's Special Mixture of Tall Nasturtiums**

We call especial attention to this mixture. In it will be found all the choicest colors of all the Tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., \$1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

**3570 Vaughan's Special Mixture of Dwarf Nasturtiums**

This mixture is put up by ourselves from named sorts, and contains a large share of the Liliput and the dwarf Chameleon, which have the richest and most varied combination of colors.

1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

**COMBINATION OFFER P62**

1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

**COMBINATION OFFER O62**

1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

**MATRICARIA**

- 3205 **Capensis Fl. Pl. (Feverfew)** □ 3 ft. Neat, small, double white quilled flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c.  
 3208 **Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

**MELOTHRIA**

- 3220 **Punctata** □ = 10 ft. (Musk Vine) (Pilogyne Suavia). Blooms in clusters; flowers small, white and star-shaped, with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

**MINA**

- 3265 **Lobata** □ = 12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt., 10c.

**MORNING GLORY**—See Convolvulus and Ipomoea.

**MOURNING BRIDE**—See Scabiosa.

**MIMOSA**

- 3270 **Pudica (Sensitive Plant)** □ 1 ft. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken. Pkt., 10c.  
**MUSK PLANT**—See Mimulus.



# Vaughan's Giant Pansies



Vaughan's Improved Swiss Giants

**3890 Vaughan's Improved Swiss Giant Pansies.** The attractive bowl of pansies above were painted from nature by Miss Winifred Walker, the well-known English artist, while in America last summer. The flowers were secured from one of our north shore estates where pansies are a specialty and represent the Improved Swiss Giant Strain. About one-third natural size. Four years ago in a European trip we discovered the original Swiss Giant Pansies which has created a sensation where ever grown since. The "Improved" strain which we now offer has many new color combinations, with the same fine substance of flower and good form of plant. If you love these dainty flowers be sure and include it on your list this year. We could fill several pages of our catalog with expressions of pleasure from our friends who have planted the original strain. The flowers are gigantic size, perfectly round and exhibit shades previously unknown in this family, they bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 50c.  $\frac{1}{6}$  oz., \$2.25.

**3891 Swiss Blue.** This charming and distinct color was selected from the Swiss Giant Mixture and segregated. It is an indescribably beautiful distinct blue shade with a blue black center on three lower petals. Pkt., 50c.

**3750 Adonis.** Light blue with white margin.  $\frac{1}{8}$  oz.; 50c; pkt., 15c.

**3756 Azure Blue.** Sky-blue.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3757 Bridesmaid.** Shades of white, shining rose.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3759 Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3760 Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3- and 5-blotched, delicately veined, rich color.  $\frac{1}{8}$  oz., \$2.00; 125 seeds, 50c.

**3765 Bugnot.** Shades of red, bronze and reddish cardinal.  $\frac{1}{8}$  oz., 50c; pkt., 20c.

**3766 Cardinal.** Brilliant red. Pkt., 15c.

**3771 Coal Black.** A jet black.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3772 Comet.** Porcelain-white, lower petals with light blue rays.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3779 Emperor William.** Dark navy blue. Pkt., 15c.

**3780 Eros.** Purple, yellow border. Pkt., 15c.

**3781 Freya.** Violet-purple, silver edged. Pkt., 15c.

**3782 Fiery Faces.** Yellow and red. Pkt., 15c.

**3783 Light Blue.** Without eye. Pkt., 15c.

**3785 Mad. Perret.** Lovely shades of pink. Pkt., 15c.

**3793 Masterpiece (Frisled Pansy).** A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating.  $\frac{1}{8}$  oz., 70c; pkt., 25c.

**3794 Mauve Queen.** Rosy lilac. Pkt., 15c.

**3794a Mercury.** Deep purple-red. Pkt., 15c.

**3794b Minerva.** Brilliant red with 5 dark violet spots.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3808 Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 15c.

**3813 Pheasant's Eye.** Sky-blue, edged violet. Pkt., 15c.

**3814 Pink.** Fine shades of pink. Pkt., 15c.

**3819 Purple.** Rich deep purple.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3822 Prince Henry.** Darkest blue. Pkt., 15c.

**3830 Ruby Red.**  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3831 Siegfried.** Wallflower color. Pkt., 15c.

**3832 St. Knud.** Orange. Pkt., 25c.

**3840 Trimardeau Mixture.** It has a complete color range, but the new and fanciful varieties are not in it which can only be had in our Vaughan's Giant and International Mixtures.  $\frac{1}{8}$  oz., 40c; pkt., 10c.

**3846 Violet-Blue.** Dark centered. Pkt., 15c.

**3849 Volcano.** Deep red with five large blotches, very fine.  $\frac{1}{8}$  oz., 50c; pkt., 20c.

**3851 Pure White.**  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3857 Pure Yellow.**  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3861 Early Flowering Giant Mixed.** This strain will bloom about three weeks earlier than any other strain. It has not a complete color range, only eight distinct plain shades being represented, but it has made a place for itself because of its early blooming.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

**3870 Chicago Parks Bedding Mixed.** Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts.  $\frac{1}{4}$  oz., 60c;  $\frac{1}{8}$  oz., 40c; pkt., 10c.

**3880 Vaughan's International Mixture.** This is a mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants, Mammoth Exhibition, Non Plus Ultra, Giant Cassier—all 3- and 5-spotted flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. 3 pkts. (600 seeds), for 65c; 5 pkts. (1000 seeds), for \$1.00;  $\frac{1}{8}$  oz., \$1.75; pkt. (200 seeds), for 25c.

**3875 Vaughan's Giant Mixture.** Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture.  $\frac{1}{8}$  oz., \$1.00; 1 pkt. (250 seeds), 25c; 1 pkt. (125 seeds), 15c.







Nicotiana Affinis

### NICOTIANA (Sweet-Scented Tobacco Plant) □ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

3390 *Affinis Tuberose* - flowered Tobacco. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, carry their flowers in clusters. Pkt., 10c.

3392 *Affinis Hybrida*. Splendid hybrids in blue, red and rose, etc., shades. Pkt., 10c.

3395 *Sanderae*. A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. Pkt., 10c.

3397 *Sanderae Hybrids*. All shades. Pkt., 10c.

3405 *Sylvestris*, 4 ft. A noble-looking plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening. Pkt., 10c.

### NIGELLA

3415 *Mixed (Love-in-the-Mist)* □ 1½ ft. A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. Pkt., 10c.

3420 *Miss Jekyll*. A lovely variety, bearing on long stems large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage. Pkt., 10c.

Plant *Hunneemannia* and *Nigella Miss Jekyll* together and secure a charming combination of blue and gold in your garden.



Nigella Miss Jekyll

### MIMULUS

3275 *Moschatus* (Musk Plant) □ Musk-scented leaves, tiny yellow flowers. Pkt., 25c.

3280 *Tigrinus* (Monkey Flower) □ 10 in. Queen's Prize, Single Mixed. Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

3285 *Tigrinus Fl. Pl.* (Double Monkey Flower) Mixed. Pkt., 10c.

### MUSA

3315 *Ensete* (Banana Plant) + 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 10 seeds, 20c.

### NEMOPHILA (Baby Eyes) □ 6 in.

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

3376 *Insignis Blue*. A popular plant for pots or borders. Pkt., 10c.

3380 *Mixed*, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

### NIEREMBERGIA

3410 *Gracilis* □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 10c.

### NYCTERINIA

3430 *Capensis* □ 9 in. Charming little plants for pots, edgings and rockwork, flowers opening at night. White with maroon, delightfully fragrant. Pkt., 10c.

ORNAMENTAL GRASSES—See page 58.

### OXALIS

3445 *Rosea* □ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 25c.

3450 *Tropaeoloides*, 3 in. Yellow flowers, rich brown foliage. Pkt., 10c.

### OENOTHERA

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening Primroses (*Oenothera*) drop their calyx and unfold their petals.

3435 *Evening Primrose*, Mixed □ ½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt., 10c.

3441 *Giant America*. This is a striking variety, as white as snow and as large as a Moonflower. Pkt., 10c.

3442 *Afterglow*. A very attractive new variety; yellow flowers with bright red calyx. Pkt., 20c.

### PASSIFLORA

3910 *Coerulea Grandiflora* (Passion Flower) ÷ = 15 ft. Southern Beauty. A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

3911 *Gracilis*. Blue and white. Pkt., 10c.

### PENNISETUM (Fountain Grass)

Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them.

3920 *Longistylum* □ 2½ ft. Extremely graceful greenish white plumes. Pkt., 10c.

3925 *Rueppelianum*. (Purple fountain grass) graceful green foliage and purplish plumes. Pkt., 10c.

### PERILLA

3930 *Nankinensis* □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. This does especially well in cities as it is not affected by smoke or gas. Seed germinates slowly. Used largely in the gardens of St. Mary's of the Lake Seminary, Mundelein, Ills., and in the Chicago parks. Pkt., 10c.



Phacelia Campanularia

### PHACELIA

4101 *Campanularia*, 8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers; very effective for edgings, etc., and a charming pot-plant. One of the earliest annuals to bloom and lasts in perfection a long time. Pkt., 15c.

4102 *Tanacetifolia*, 18 in. Large compact head of pale mauve flowers. Valuable bee plant. Pkt., 10c.

### POINCIANA

4230 *Gilliesi* (Bird of Paradise) ÷ The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., 10c.

### PYRETHRUM (Foliage Plant)

4515 *Aureum Golden Feather* □ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c.

For other foliage plants see—  
 Coleus                      Centaurea Candidissima  
 Centaurea Gymnocarpa    Perilla Nankinensis  
 Cineraria Maritima Diamond

PYRETHRUM ROSEUM—See Colored Perennial Pages.



Petunia Vaughan's Small Flowering Mixed





Pink Glory

Romany Lass

Triumph Pink

## Vaughan's Petunias

Few annuals produce so many large flowers. The colors have been improved to such an extent that there are now varieties to please us all. Recently nearly clear blues have been produced; the deep, rich purples and violets are superb; the light pinks are dainty; the whites are showy; the striped sorts are fantastic; the doubles are marvels of the breeder's art; and the frilled sorts are popular.

### Single Small Flowering Varieties

- 3958 Alba. Pure white. Pkt., 10c.  
 3963 Adonis. Carmine rose. Pkt., 10c.  
 3965 Countess of Ellesmere. Rose with white throat. Pkt., 10c.  
 3970 General Dodds. Blood-red. Pkt., 10c.  
 3975 Howard's Star. Improved crimson-maroon with a clearly defined star of blushing white. Pkt., 10c.  
 3980 Inimitable. Blotched and striped. Pkt., 10c.  
 3981 Lord Courtenay. Brilliant rose, yellow throat. Pkt., 10c.  
 3988 Venosa. Light red veined. Pkt., 10c.  
 3995 Finest Mixed.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

### Single Dwarf Varieties

- 3998 Blue Bird, Nana Erecta Violacea. Color steel blue. Pkt., 25c.  
 4000 Carmen Sylva. Baby blue with white throat. Pkt., 10c.  
 4001 Heavenly Blue. A silvery light blue. Pkt., 35c.  
 4005 Improved Rosy Morn. Clear pink with a broad white throat. Pkt., 25c.  
 4010 Norma. Blue with white star. Pkt., 10c.  
 4015 Dwarf Inimitable. Regular white stars on deep old rose ground. Pkt., 10c.

### Single Dwarf Varieties—Continued

- 4018 Rose of Heaven. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 25c.  
 4020 Snowball. Pure satiny white flowers. Pkt., 15c.  
 4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts.  $\frac{1}{8}$  oz., 40c; pkt., 10c.



### Balcony Varieties

- Single large flowering sorts.  
 4030 Balcony Queen. Rich, velvety violet with white blotches. Pkt., 150 seeds, 25c.  
 4035 Balcony White. Pkt. 150 seeds, 25c.  
 4040 Balcony Blue. Rich, velvety blue. Pkt. 150 seeds, 25c.  
 4041 Balcony Rose. 150 seeds, 25c.  
 4036 Balcony Star. Red with white star. Pkt., 150 seeds, 35c.  
 4042 Balcony Mixed. The five varieties noted above. 150 seeds, 25c.

### Single Giant Flowering Varieties

- The flowers of this strain average 5 to 7 inches across.  
 4065 Giants of California Mixed. The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 200 seeds, 15c.  
 4070 Giant Empress. Lilac blue with purple veins.  
 4075 Giant White. With yellow throat.  
 4080 Giant Silvery Rose. New.  
 4085 Giant Rose. Ruffled veined, black.  
 4090 Giant Black Prince. Darkest.  
 Each of the above, pkt., 150 seeds, 25c; one pkt. each, 5 for \$1.00.  
 4095 Triumph of the Giants. The finest strain of single large-flowering Petunias; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.  
 4100 Vaughan's Best Mixture Large Flowering Single Petunias. This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. Pkt., 300 seeds, 25c.



### Portland Petunias

- 4056 Pride of Portland. Deep rose fringed.  
 4057 Scarlet Beauty. Scarlet fringed.  
 4058 Elk's Pride. Plain, edged black-purple.  
 4059 White Beauty. Fringed, pure white.  
 Each of the above, pkt., 25c.

### Large Single Flowering Varieties

- The flowers of this type average 3 to 4 inches across  
 4045 Brilliant Rose Fringed. Pkt., 150 seeds, 25c  
 4061 Fimbriata Coerulea. Fringed delicate blue, veined with dark blue. Pkt., 50c.  
 4051 Pink Glory. The color is pure flame-rose pink. The flowers are slightly ruffled. Pkt., 35c.  
 4072 Romany Lass. The color is a clear bright velvety blood-red with purple throat, striped in black. Pkt., 50c.  
 4050 White. Pkt., 150 seeds, 20c.  
 4055 Royal Purple. Rich velvety color. Pkt. 150 seeds, 20c.  
 4054 Triumph Pink. Large flowers, beautifully ruffled, of a clear, bright pink. Pkt., 35c.  
 4046 Venosa. Blue veins on light blue. Pkt., 50c.  
 4060 Large Flowering Fringed Mixed. A superb strain of elegant, finely fringed flowers, in remarkable variety of color. Pkt., 200 seeds, 15c.

### Double Large Flowering Varieties

- 3935 Vaughan's Mixture of Double Petunias. This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers.  
 Pkt., 200 seeds, 50c.  
 3940 Lady of the Lake. Double white fringed.  
 3943 Double Heliotrope. 3949 Double Rose.  
 3946 Double Red. 3952 Double Mixed.  
 Each of the above, pkt., 125 seeds, 25c.  
 3955 Double Small Flowered Mixed. The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., 300 seeds, 25c.



Vaughan's Best Large Flowering Single, Mixed



Blue Bird and Heavenly Blue



# Phlox Drummondii

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

## Grandiflora Varieties □ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- 4105 Alba. Pure white.  
4107 Alba Oculata. White with dark eye.  
4110 Atro-purpurea. Black-brown.  
4113 Brilliant. Rose with dark eye.  
4115 Carneia. Flesh color.  
4120 Chamois Rose.  
4125 Coccinea. Fiery scarlet.  
4130 Coerulea Striata. Blue-striped.  
4137 Dark Blue. True blue.  
4140 Isabellina. Yellow.  
4145 Kermesina Splendens. Crimson. with white eye.  
4150 Gold Star. Pink with gold star.  
4155 Rosea. Pink.  
4160 Violet. With white eye.  
Any the above, pkt., 10c.  
4165 Splendid Mixture. 1 oz., \$1.25; ¼ oz., 35c; pkt., 10c.

**Cuspidata or Star.** These have quaint and unusual flower formation and make attractive bedding plants, doing well in hot sun.

- 4169 Alba.  
4170 Coccinea 4172 Salmonea  
4171 Rosea 4173 Violacea  
Each of the above, pkt., 15c.  
4175 Cuspidata Mixed. Mixture of star-shaped flowers. Pkt., 10c.

**4180 Semi-Double Varieties Mixed.** Plant in sandy soil and the flowers will be inclined to be more double. Pkt., 15c.

## Nana Compacta Dwarf 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- 4182 Apricot. Yellow.  
4183 Fireball. Blood-red.  
4187 Delicata or Old Rose.  
4189 Snowball. Pure white.  
4192 Isabellina. Yellow.  
4195 Sky-blue with White Eye.  
4200 Salmon Pink.  
4201 Mirabilis. Salmon-pink with white eye.  
4203 Violet.

Each of the above, pkt., 15c.

4205 Nana Compacta. Mixed, all colors. Pkt., 10c.

4210 Cecily. Mixed, all colors. Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Pkt., 15c.

**HARDY PHLOX**—See Perennial pages.



Phlox Vaughan's Special Mixture

**4220 Vaughan's Special Mixture Phlox.** Contains all the varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60; ¼ oz., 50c; ½ oz., 30c; 250 seeds, 15c.

# Poppies

## Single Annual Poppies

- 4235 Admiral. Glistening white, with a broad margin of brilliant scarlet. Pkt., 10c.  
4238 Bride. Very large pure white, perfectly formed flowers. Pkt., 10c.

**CALIFORNIA POPPY**—See Escholtzia.

4241 Danebrog or Danish Flag. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 10c.

4245 Flanders Poppy. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.25; pkt., 10c.

4255 King Edward. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 Tulip (Glaucum). Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.



Poppy Shirley

## Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

- 4277 American Legion. A dazzling orange-scarlet of enormous size, borne on long, stout stems. Pkt., 15c; ¼ oz. 25c.  
4278 Blue Shirley. Various shades of blue. Pkt., 10c.  
4280 Wild Rose Shirley. Shades of rose and pink. Pkt., 10c.  
4285 Shirley Mixed. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and bluish to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.  
4291 Eldorado. 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt., 10c.

4295 Eldorado Salmon Shades, 2 ft. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt., 15c.

**ICELAND AND ORIENTAL POPPIES**—See Perennial Pages.

## Double Annual Poppies

4315 American Flag. Flowers very large, snow-white, scarlet bordered. Pkt., 10c.

4320 Fairy Blush. The flowers have the effect of large feathery balls, overcast with a rosy shade. Pkt., 10c.

## Giant Double

- 4325 Pure White. 4340 Lilac.  
4330 Pale Yellow. 4345 Salmon.  
4335 Pink. 4350 Heliotrope.  
4338 Cardinal Red.

Each of the above, pkt., 10c.

4341 Ryburgh Hybrid. The flowers are double and resemble a Giant Carnation, with flat petals overlapping like a Double Begonia. The colors embrace all shades of pink, salmon, orange, etc., all self-colors. Pkt., 20c.

4355 Mikado. Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.

4360 Scarlet King. Pkt., 10c.

4365 White Swan. Fringed double white. Pkt., 10c.

4368 Double Shirley. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4375 Carnation-Flowered Mixture of Double Poppies. Large sized flowers of all shades, many striped. Oz., 30c; ½ oz., 20c; pkt., 10c.

4380 Peony-Flowered Mixture. Double ball-shaped flowers of gigantic size. Oz., 30c; ½ oz., 20c; pkt., 10c.

4383 Rheas Fl. Pl. Double French Mixture. Double form of the Shirley type. Oz., 30c; ½ oz., 20c; pkt., 10c.

**4390 Vaughan's Special Mixture, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb., \$1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

**4310 Vaughan's Special Mixture Double and Single Poppies.** Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. ¼ lb., \$1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

**4305 Vaughan's Special Mixture, Single Poppies.** This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. Lb., \$4.00; ¼ lb., \$1.25; 2 oz., 75c; 1 oz., 40c; pkt., 10c.



Poppy Special Double and Single Mixed





Pentstemon Sensation

**PENTSTEMON (Beard Tongue)**

3926 **Sensation**. 2 ft. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 25c per pkt.

3927 **Sensation Red Shades**. 2 ft. Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.

3928 **Sensation Pink Shades**. Charming selection of various shades of pink. Pkt., 25c.

See Perennial pages for other varieties.

**Primula****Chinese Primrose**

This is one of the most charming winter flowering house plants. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

4460 **Good Mixture of Single Varieties**. Pkt., 15c.

4465 **Vaughan's International Mixture**. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds, pkt., 35c.

**Primula—Various Sorts**

4475 **Malacoides** ÷ 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4478 **Malacoides Rosea**. Pkt., 25c.

4480 **Forbesi Baby Primrose** ÷ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.

**Auricula and Veris**—See Perennials.

**Primula Obconica Grandiflora**

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

4490 **Rosea Pink**. Pkt., 200 seeds, 25c.

4495 **Obconica Grandiflora Mixed**. Good mixture. Pkt., 200 seeds, 15c.

**Primula Obconica Gigantea**

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to 4 inches across. Should not be planted in leaf mould or peaty soil.

4500 **Gigantea Rosea**. A beautiful clear rose. Pkt., 200 seeds, 25c.

4505 **Gigantea Mixed**. Pkt., 200 seeds, 25c.

In making up your 1929 Budget do not forget your Garden Needs.

**RHODANTHE (Everlasting) □ 1 ft.**

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

4530 **Manglesi Rose**. Bright rose flowers, very graceful, makes a pretty pot plant.

4533 **Maculata Alba**. White.

4535 **Maculata Rosea**. Rose.

4540 **Mixed**.

Each of above, pkt., 10c.

**RICINUS (Castor Bean) □**

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

4545 **Cambodgensis**. 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

4546 **Crimson Spire**. The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple color gradually changing to bronzy green, with red stems, stalks and vines. The numerous large seed spikes are brilliant rosy crimson. Pkt., 15c.

4547 **Borboniensis Arboreus**. 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4548 **Gibsoni**. Mulberry-colored foliage. Oz., 25c; pkt., 10c.



Ricinus Zanzibariensis Mixed

4550 **Panormitanus**. 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz., 25c; pkt., 10c.

4555 **Sanguineus**. 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

4560 **Zanzibariensis Mixed**. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 20c; pkt., 10c.

4565 **Zanzibariensis Enormis**. 1 oz., 25c; pkt., 10c.

4570 **Mixed**. Many sorts. 1 oz., 15c; pkt., 10c.

**ROSE**

4575 **Polyantha Nana**. 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. Pkt., 10c.

**RUDBECKIA**

4580 **Bicolor Superba (Coneflower) □ 2 ft.** Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

4581 **Triloba (Thin Leaved Cone-Flower)**. 2-5 ft. July-August, deep yellow. One of the best Rudbeckias. Dense bushy plant. Grows in sun or shade, any soil. Numerous rayed flowers form a brilliant mass of color. Clean foliage. Associate with Larkspurs in shrubbery or border. Flowers the first year from seed. Biennial. Pkt., 25c.



Portulaca Single Mixed

**Portulaca****(Rose Moss) □ 6 in.**

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

**Large Flowering Single**

4400 **White**.

4415 **Striped**.

4405 **Yellow**.

4420 **Scarlet**.

4410 **Pink**.

Each of the above, oz., \$1.00; ¼ oz., 35c; pkt., 10c.

4425 **Giant Parana**. The flowers are fully twice as large as those of other Portulacas and of the most dazzling purple-scarlet. Pkt., 10c.

4430 **Single Mixed**. Lb., \$6.00; ¼ lb., \$1.70; 1 oz., 60c; ¼ oz., 20c; pkt., 10c.

**Large Flowering Double**

4435 **White**.

4440 **Pink**.

4438 **Yellow**.

4443 **Scarlet**.

Each of the above, pkt., 10c.

4455 **Double Best Mixture**: 1 oz., \$2.50; ¼ oz., 50c; pkt., 10c.

Try a packet of *Leptosyne Stillmanii*. It is a quick growing yellow flowering annual and you will like it.



Portulaca Double Best Mixed





# Vaughan's Sweet Peas

## Late Flowering Spencer or Butterfly Varieties

**E**ARLY planting and plenty of moisture are the secrets of growing Sweet Peas successfully. Try planting sweet peas in circles several feet in diameter as they do in England and use wire netting to make a tent effect. The result will be a tepee of flowers later in the season.

Sweet Peas are among the seeds to be sown very early in the spring. They should go into the ground as soon as the soil can be worked, and should be planted six inches deep, being covered at first with only two inches of soil, the trench being filled as the plants grow. It is best to soak the seeds for several hours before they are planted. If this plan of planting early is followed, and if the Sweet Peas are kept mulched with peat moss or with lawn clippings or else watered abundantly, they will almost certainly give a fine crop of blooms.

Lovely new varieties we recommend for trial:

- 5000 Blue Picotee. White, edged violet-blue. Oz., 25c; pkt., 10c.  
 5003 Charity. Best red. Oz., 25c; pkt., 10c.  
 5015 Commander Godsall. Violet-blue. Oz., 30c; pkt., 10c.  
 5020 Constance Hinton. The best white for outdoor planting. Oz., 30c; pkt., 10c.  
 5025 Crimson King. A rich deep crimson. Oz., 30c; pkt., 10c.  
 5041 Edna May Improved. Pure white. Oz., 25c; pkt., 10c.  
 5065 Fiery Cross. Turkey-red. Oz., 30c; pkt., 10c.  
 5066 George Shawyer. Giant salmon-rose. Oz., 25c; pkt., 10c.  
 5105 Golden Glory. Glowing orange. Oz., 30c; pkt., 10c.  
 5115 Hawlmarm Salmon Pink. A wonderful shade. Oz., 25c; pkt., 10c.  
 5116 Hebe. Large bright pink. Oz., 30c; pkt., 10c.  
 5117 Heavenly Blue. A new delphinium-blue. Oz., 30c; pkt., 15c.  
 5130 Illuminator. Bright salmon, cerise sparkling with orange. Oz., 30c; pkt., 10c.  
 5145 King White. Absolutely pure white. Oz., 25c; pkt., 10c.  
 5146 Majestic Cream. Rich deep cream. Oz., 25c; pkt., 10c.  
 5167 Mary Pickford. Dainty cream-pink, suffused salmon. Oz., 30c; pkt., 15c.  
 5184 Miss California. Orange-salmon with cream-pink. Oz., 30c; pkt., 10c.  
 5195 Powers Court. One of the finest lavenders. Oz., 30c; pkt., 10c.  
 5196 President Harding. Peach-red. Oz., 30c; pkt., 10c.  
 5255 Royal Purple. The best purple. Oz., 25c; pkt., 10c.  
 5259 Royal Salute. Deep cerise. Oz., 25c; pkt., 10c.  
 5260 Royal Scot. The most brilliant scarlet. Oz., 25c; pkt., 10c.  
 5263 Snowball. Dazzling white, of great substance; very fragrant. Pkt., 15c.  
 5280 Tangerine. Deep orange-colored flower. Oz., 30c; pkt., 10c.  
 5310 Warrior. Rich chocolate-maroon. Oz., 25c; pkt., 10c.  
 5311 Youth. Large white, pink picotee edge. Oz., 30c; pkt., 10c.  
 5630 Sweet Peas, Vaughan's Prize Mixture. 1 lb., \$1.50; ¼ lb., 40c; oz., 15c; pkt., 10c.

### Vaughan's Special Mixture

5320 Spencer Varieties. This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.



### 10 Best Late Flowering

#### Spencer Sweet Peas

##### Collection No. 5325

Price, one packet of each for 50c.

White	Edna May Improved
Salmon Pink	Hawlmarm Salmon Pink
Crimson	Charity
Light Blue	Heavenly Blue
Lavender	Powers Court
Cream Pink	Mary Pickford
Orange	George Shawyer
Dark Blue	Commander Godsall
Maroon	Warrior
Picotee	Youth

## Early and Long Season Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting.

- 5340 All-White. The best white seeded. Oz., 60c; pkt., 10c.  
 5345 Amethyst. Royal purple. Oz., 50c; pkt., 10c.  
 5348 Ball's Blue. Clear blue. Pkt., 15c.  
 5349 Ball's Rose. A bright dark rose with amber flush. Pkt., 15c.  
 5375 Blue Bird. Violet-blue. Oz., 60c; pkt., 10c.  
 5350 Blue Boy. Largest and clearest blue. Pkt., 10c; oz., 60c.  
 5385 Columbia. The best pink and white. Oz., 50c; pkt., 10c.  
 5395 Cream. Oz., 50c; pkt., 10c.  
 5398 Eldorado. Orange. Oz., \$1.25; pkt., 25c.  
 5400 Enchantress. Rose pink. Oz., 50c; pkt., 10c.  
 5402 Edward Zvolanek. Large lavender. Pkt., 10c; oz., 60c.  
 5409 Fair Maid. Blush pink; suffused salmon on white ground. Oz., 50c; pkt., 10c.  
 5416 Giant Rose. Improved Zvolanek's rose. Pkt., 15c.  
 5420 Glitters. Standard bright fiery orange, wings deep orange. Oz., 60c; pkt., 10c.  
 5425 Gorgeous. Salmon-rose. Oz., 60c; pkt., 10c.  
 5430 Grenadier. A glowing poppy-scarlet. Oz., 75c; pkt., 25c.  
 5438 Harmony. Clear lavender. Oz., 60c; pkt., 10c.  
 5439 Hercules. Mammoth rosy pink. Oz., 50c; pkt., 10c.  
 5451 Illumination. Salmon cerise. Pkt., 15c.  
 5452 Imperial Pink. Clear pink. Pkt., 15c.  
 5466 Jeanne Mamitsch. Striking pink, shading off to deepest pink. Pkt., 15c.  
 5489 Morse's Superior Pink. Beautiful clear rose-pink, very slightly shaded with salmon. Pkt., 15c.  
 5488 Mrs. Calvin Coolidge. Salmon pink. Pkt., 15c.  
 5490 Mrs. Chas. A. Zvolanek. Clear lavender. Oz., 50c; pkt., 10c.  
 5491 Mrs. Kerr. The best salmon. Oz., 75c; pkt., 25c.  
 5485 Miss Louise Gude. Brilliant pink. Oz., 60c; pkt., 10c.  
 5492 New Blue. Deep blue. Oz., 75c; pkt., 15c.  
 5493 Orange King. Glowing intense orange. Oz., \$1.50; pkt., 25c.  
 5498 Pink Cherokee. A fine pink suffused with salmon on a deep cream ground. Pkt., 15c.  
 5520 Rose Queen. Rose pink. Oz., 60c; pkt., 10c.  
 5540 Snowstorm Improved. Flowers large, pure white, of great substance. Oz., 60c; pkt., 10c.  
 5542 Sweet Lavender. Pure lavender self. Oz., 75c; pkt., 15c.  
 5556 Vulcan. Vivid scarlet. Oz., 60c; pkt., 10c.  
 5585 Zvolanek's Rose. A giant rose pink. Oz., 60c; pkt., 10c.  
 5586 Zvolanek's Orange. Oz., 60c; pkt., 10c.

5595 Vaughan's Special Mixture Early Flowering Spencers. All the varieties listed and many others. Oz., 60c; pkt., 15c.

### 10 Best Early Flowering

#### Spencer Sweet Peas

##### Collection No. 5600

Price, one packet each for 75c.

Lavender	Harmony
Rose	Giant Rose
Orange	Orange King
Blush Pink	Fair Maid
White	All-White
Blue	New Blue
Red	Vulcan
Cerise	Glitters
Rose Pink	Morse's Superior Pink
Purple	Amethyst





Salpiglossis Vaughan's Special Mixture


**SALPIGLOSSIS** □ 2½ ft.

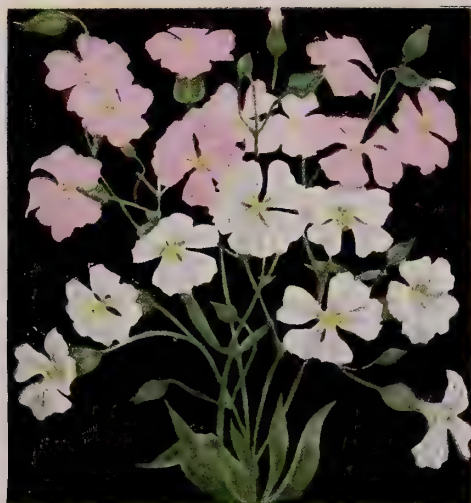
Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tubeshaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Nearly every flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. Flowers last well in water, really better than when on the plants.

- 4590 Bright Crimson.
- 4591 Brown and Gold.
- 4595 Faust. Black.
- 4600 Rose and Gold.
- 4605 Velvety Violet.
- 4610 Golden Yellow.
- 4611 Light Blue and Gold.
- 4612 Purple and Gold.
- 4613 Scarlet and Gold.
- 4614 Velvety Red.
- 4616 White and Gold.

Each of the above, per pkt., 15c.

- 4615 Gloxiniaflora Mixed □ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.
- 4625 Emperor Mixed. Large improved strain, complete range of colors. Pkt., 10c.

- 4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ¼ oz., 35c;  pkt., 15c.



Saponaria Mixed

**SANVITALIA**

4690 Procumbens Fl. Pl. □ 6 in. Sanvitalia flowers are much like tiny Zinnias, being golden yellow with very dark purple centers, some of them single and others double. The plants grow only six inches tall, or rather they are prostrate and spread over the soil instead of growing upward. They start blooming in June and continue until frost. Pkt., 10c.

**SAPONARIA**

4691 Vaccaria Rose □ 2 ft. In the Parisian flower markets this Saponaria is one of the special favorites. The light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, are produced in greatest profusion. It is so valuable for vase decoration that successional sowings should be made. Charming pot plant for greenhouses.

4693 Vaccaria Alba. White.

4692 Vaccaria Mixed.

Each of the above, pkt., 10c.

**SENSITIVE PLANT**—See Mimosa.

**SALVIA**

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

4650 Fireball. 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.



Salvia Splendens America

4640 America, or Globe of Fire. This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

4660 Drooping Spikes. 2½ ft. This large flowering variety has three times the flowering capacity on each spike as the ordinary Salvia Splendens. Pkt., 10c.

4665 Maroon Prince. 2 ft. Particularly rich and royal color. A purple-violet with a velvety sheen. Pkt., 15c.

4670 Zurich. Early. The plants are dwarf and compact with large brilliant flower spikes. Pkt., 15c.

4675 Mixed. The above sorts and others. Pkt., 10c.

4680 Coccinea. 2 ft. Annual scarletsage. Pkt., 10c.

4683 Farinacea. 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. Pkt., 10c.

**STREPTOCARPUS**

4826 Largest Hybrids. 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 25c.



Scabiosa Vaughan's Special Mixture


**SCABIOSA (Mourning Bride)** 2½ ft. □

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

**Large Flowering Double**

- |                                 |                    |
|---------------------------------|--------------------|
| 4695 Snowball.                  | 4715 Azure Fairy.  |
| 4700 Golden Yellow.             | 4720 Cherry Red.   |
| 4705 Flesh.                     | 4725 Black Prince. |
| 4710 Fiery Scarlet.             | 4730 Rose.         |
| 4731 Amethyst or Ageratum Blue. |                    |

Each of above, per pkt., 10c.

4740 Vaughan's Special Mixture. Many new colors have been purchased for this, and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c. 

**SCARLET RUNNER**

4766 Scarlet Emperor. In northern locations where summers are cool and short this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are of bright scarlet, heavily blotched with purple. Pkt., 10c.

**SENSITIVE PLANT**—See Mimosa Pudica.

**SILENE**

4775 Armeria Mixed □ 1½ ft. (Catchfly.) A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c.

**SMILAX + = 6 ft.**

4780 Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 10c.

**SNAPDRAGON**—See Antirrhinum.

**SNOW ON THE MOUNTAIN**—See Euphorbia Variegata.

**SOLANUM**

4785 Capsicastrum Nanum ÷ 2 ft. (Jerusalem Cherry.) Easily grown plants with ornamental fruit. Especially fine for pots. Pkt., 10c.

4790 Cleveland Cherry. This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

**SUNFLOWER**—See Helianthus.

**SWEET WILLIAM**—See Dianthus Barbatus.

**STEVIA**

4825 Serrata □ ÷ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.



# Stocks

## Large Flowering □ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

## Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

4830 White	4850 Light Blue
4835 Canary Yellow	4853 Mauve (Water Blue)
4838 Flesh	4856 Dark Blue
4841 Rose Pink	
4845 Crimson	

Each of the above, pkt., 10c.

4865 Best Mixed. Pkt., 10c.

4970 Vaughan's Special Mixture of Stocks. Contains all the varieties listed and many others not cataloged. Pkt., 15c.



Schizanthus Clybrin's Gold Medal Hybrids

## SCHIZANTHUS

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

4755 *Grandiflorus*, Clybrins Gold Medal Large Flg. Hybrids. A grand strain bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c.

4756 *Grandiflora* Hybrids. Rose and Amber Shades. Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze but also contains some very delicate and pleasing pinks. Pkt., 25c.

4760 *Wisetonensis*. 1½ ft. Profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. Pkt., 15c.

4765 Mixed, all colors. ¼ oz., 15c; pkt., 10c.

SPIDER PLANT—See *Cleome Pungens*.

## SURPRISE GARDEN MIXTURE

5848 This is not a mixture of wild flowers, but of garden annuals, with a few wild species added. It contains a large number of different kinds, all of them quite hardy and varieties that will grow with the least amount of care and produce quantities of flowers for a long period. Indeed, there are so many kinds appearing in endless succession that it is a continual surprise from the time the first plant begins to blossom. We recommend it for vacant lots and waste pieces of ground. Oz., 25c; ¼ lb., 75c; lb., \$2.60.



Stock Bismarck



Stock Giant Perfection Mixed

## Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers.

4875 Improved Snowdrift White	
4880 Canary Yellow	4905 Light Blue
4885 Pink	4915 Dark Blue
4895 Scarlet	

4890 Old Rose Improved. A favorite color in Garfield Park Conservatory in Chicago.

4900 Empress Augusta Victoria. Silvery lilac.

4910 Heatham Beauty. A rich mauve, shaded terra cotta.

Each of the above, pkt., 10c.

4920 Giant Perfection Mixed. ½ oz., 40c; pkt., 10c.

## Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower stalks. The best variety for greenhouse use.

4925 White	4946 Chamois.
4924 Appleblossom	4945 Blood-red
4940 Gold Ball	4930 Lilac
4947 Flesh	4932 Lavender
4948 Golden Rose	4931 Dark Blue

Each of the above, pkt., 15c.

4949 Bismarck Mixed. Pkt., 15c.

## STATICE

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets.

4795 Russian (Suworowii, or Rat Tail) 1 ft. Flowers bright rose color. Pkt., 15c.



Statice Sinuata Mixed (For Winter Bouquets)

## STATICE—Continued

4800 *Bonduellii*. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4801 *Sinuata Rosea Superba*. A charming new bright color. Pkt., 10c.

4802 —True Blue. A new deep blue. Pkt. 10c.

4804 —White. Pkt., 10c.

4805 —Mixed. Pkt., 10c.

SWEET ROCKET—See *Hesperis* in Perennial Pages.

SWEET WILLIAM—See *Dianthus Barbatus* in Colored Perennial Pages.

## TORENIA

5645 *Fournieri* □ + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue. With a touch of gold on the lip. In the south where it is seemingly difficult to have success with pansies these may be grown instead. They are excellent for beds, pots or hanging baskets. Pkt., 10c.

5650 *White Wings*. Flowers white with rose throat. Pkt., 10c.

5651 *Baillonii*, yellow with brown markings. Pkt., 15c.

## THUNBERGIA

5640 *Alata*, Mixed (Black-Eyed Susan) □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective. Sometimes called "Black-eyed Susan." All colors mixed. Pkt., 10c.



Thunbergia Mixed





Viscaria Mixed

**VISCARIA**

5805 Mixed □ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

**TITHONIA**

5641 *Speciosa* Mexican Sunflower. ① A rare plant from Mexico. Throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.

**TRACHELIUM**

5656 *Coeruleum*. □ Height, 18 in. Free-growing annual having large cloud-like heads of tiny blue flowers resembling *Gypsophila*. Makes a fine pot plant. Pkt., 25c.

**TRITOMA**

5655 *Hybrida* *Mirabilis* □ An annual Red-Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open ground from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.

**VINCA ROSEA (Periwinkle) + 1 ft.**

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like *Chrysanthemums*, potted, and kept in bloom through the winter. Seed germinates slowly.

5775 White.  
5780 Delicata. Soft pink.  
5785 White with Eye.  
5790 Pink.  
Each of above, pkt., 10c.  
5800 *Vinca Rosea* Mixed. Pkt., 10c.

**In Ordering Flower Seeds**

It is only necessary to state quantity (number of packets, ounces or pounds) wanted, the number in front of each variety and price.



Vinca Rosea Mixed



Virginia Stock Mixed

**VIRGINIA STOCK**

5815 Mixed □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect.  $\frac{1}{4}$  lb., 60c; oz., 25c;  $\frac{1}{2}$  oz., 15c; pkt., 10c.

**WALLFLOWER (Goldlack) ÷ 1½ ft.**

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the Northern States, should be wintered in cold frames.

5820 Single Mixed. Pkt., 10c.  
5825 Annual Blood-Red. Pkt., 10c.  
5830 Annual Golden Gem. Pkt., 10c.  
5835 Annual Mixed. Pkt., 10c.  
5840 Double Mixed. Pkt., 15c.

**ZEa (Rainbow Corn)**

6175 *Japonica* *Quadriflor* *Perfecta* □ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich, light, warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 10c.

# Vaughan's Verbenas

The rich colors of the Verbena have endeared it to us for years. Most persons know its range of brilliant colors; the pinks are like those found in *Trailing Arbutus*; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

**Gigantea**

This is a new strain of *Grandiflora* Verbenas; the plants are compact growers, bearing immense trusses, the individual florets measuring an inch and over in diameter.

5701 *Gigantea* *Alba*. Pure white.  
5702 —*Coccinea*. Scarlet, small eye.  
5703 —*Lucifer*. Vivid scarlet self.  
5704 —*Luminosa*. Luminous flame-pink shading to salmon.  
5705 —*Rose Cardinal*. Carmine-rose with large white eye.  
5706 —*Rosea Stellata*. A pure rose-pink, with large white eye.  
5707 —*Violacea Stellata*. Deep violet, white eye.  
5708 *Gigantea* Mixed. A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive.  
Each of above, Pkt., 25c.

**Hybrida**

5660 *Defiance*. An intense scarlet.  
5661 *Lucifer*. Vivid scarlet self.  
5666 *Blue Shades*.  
5670 *Lutea*. Yellow.  
5680 *White*. Dense heads of finely shaped white flowers.  
5685 *Mayflower*. Various shades of pink.  
5695 *Firefly*. Intense red.  
5700 *Purple Shades*. Dark purple.  
Each of the above, pkt., 10c.  
5715 *Mammoth* Mixed. Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple.  $\frac{1}{4}$  oz., 40c; pkt., 10c.

5750 *Citriodora* (*Lemon-Scented Verbena*) ÷ An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.

5755 *Erinoides*. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. Pkt., 10c.



Verbena Vaughan's Best Mixed

5730 *Vaughan's Best Mixture*. It includes all the *Mammoth* and *Gigantea* sorts and several other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., \$3.00;  $\frac{1}{8}$  oz., 50c; large pkt., 25c; pkt. 125 seeds, 15c.





# Giant Zinnias

The most gorgeous annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. If you plant but one annual, plant this. May be taken up when in full bloom and transplanted without any visible effect. If grown in sunny spot in well fertilized soil and watered freely the flowers will be more completely double as lack of these stunts the plant and flowers are apt to revert to the old single type. Has no enemies, either insect or fungus.

## Dahlia Flowered 3 to 4 ft.

Information the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance the flowers compare with the Show Dahlias.

- 6132 **Buttercup.** An immense deep creamy yellow.  
 6131 **Canary Bird.** A delicate shade of primrose—very large and holds its color well until out of bloom.  
 6133 **Crimson Monarch.** Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.  
 6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).  
 6135 **Exquisite.** By far the most pleasing of our collection. Color light rose with center a deep rose. (Tyrian Rose.)  
 6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.  
 6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose. (Tyrian Rose.)  
 6141 **Lemon-Yellow.** Golden yellow on brown, fine pastel shade. Very large flowers.  
 6142 **Meteor.** A rich glowing deep red; darkest of all red shades. Free flowering.  
 6138 **Oriole.** It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.  
 6139 **Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.  
 6143 **Purple Prince.** A fine deep purple of fine form.  
 6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.  
 Each of the above, pkt., 15c; any 4 pkts., for 50c.  
 6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will be the result if you plant this liberally in your garden. We also might suggest this is especially desirable as a gift packet. Oz., \$1.50; ¼ oz., 50c; pkt., 15c.

## California Giants 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower from bud to full bloom presents a graceful appearance.

- 6164 **Cerise Queen.** Beautiful cerise rose.  
 6162 **Enchantress.**  
 6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side, the two shades blending as the flower develops. It is the only Zinnia with fragrance.  
 6163 **Miss Willmott.** Soft pink.  
 6151 **Orange King.** Similar in color to the Calendula of the same name.  
 6152 **Orange Queen.** Lighter than Orange King.  
 6153 **Purity.** A clean pure white.  
 6166 **Rose Queen.** Tyrian rose with deep rose-red center.  
 6165 **Scarlet Gem.**

Each of the above, pkt., 15c; any 4 pkts. for 50c.  
 6156 **California Giants Mixed.** Oz., \$1.50; ¼ oz., 50c; pkt., 15c.

## Colossal or Giant Flowered 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

- 5940 **Apricot Yellow**  
 5935 **Buttercup.** Deep primrose.  
 5976 **Burnt Orange.**  
 5937 **Bright Rose.**  
 5930 **Cream.**  
 5977 **Crimson.**  
 5943 **Deep Flesh.**  
 5944 **Deep Salmon Rose.**  
 5965 **Golden Yellow.**  
 5978 **Lavender.**  
 5975 **Orange.**  
 5960 **Pink Shades.**  
 5990 **Purple.**  
 5950 **Salmon Shades.**  
 5955 **Shrimp Pink.**  
 5980 **Scarlet.**  
 5985 **Violet.**  
 5925 **White.**

Each of the above, pkt., 10c.

6015 **Vaughan's Colossal Zinnias, Mixed.** Lb., \$12.00; ¼ lb., \$3.00; oz., \$1.00; ¼ oz., 30c; pkt., 10c.

## In Ordering Flower Seeds

It is only necessary to state quantity (number of packets, ounces or pounds) wanted, the number in front of each variety and price.



Zinnia Dahlia Flowered Mixed

6170 **Vaughan's Special Mixture** of all Giant sorts including the cream of the Dahlia Flowered Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Pkt., 25c. 5 pkts. for \$1.00.



## Quilled Type

6158 **Achievement or Victory Mixed.** The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers, often 5 inches in diameter. Pkt., 25c.

## Giant Picotee

A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations.

6159 **Golden Pheasant.** Flowers of a deep orange with maroon tips. Pkt., 25c.

6157 **Giant Picotee Mixed.** Pkt., 25c.



Zinnia Vaughan's Colossal Mixture



# Zinnias for Bedding

THESE are smaller and more bushy than the Giant sorts and flower more freely so they can be used to advantage in solid beds and the shortest sorts may be used in edging. The Red Riding-Hood is particularly good used in this way.



Zinnia Pumila Watermelon Pink

## Pumila Double 18-in.

Extra double flowers, produced on regular dwarf plants.

- 6080 Snow Ball. 6093 Crimson Ball.  
6085 Golden Ball. 6095 Fire Ball.  
6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.  
Each of the above, pkt., 10c.

- 6105 Pumila Mixed, all colors. Oz., 75c; ¼ oz., 25c; pkt., 10c.

- 6110 Red Riding-Hood. 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. ¼ oz., 30c; pkt., 10c.

- 6115 Mexicana Hybrida. 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free-flowing and pretty. Pkt., 15c.

- 6120 Mexicana Fl. Pl. 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.

- 6125 Mexicana Fl. Pl. Hybrids. Double flowers in various shades. Pkt., 10c.

## Elegans Fl. Pl. Double Flowered □ 2½ ft.

5860 Crested and Curled. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.

5865 Isabellina. A beautiful cream yellow. A favorite of Mrs. Francis King of Alma, Mich.

5890 Jacqueminot. Blood-red.

Each of above, pkt., 10c.

## Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

- 6061 Canary Gem. 6060 Scarlet Gem.  
6070 Golden Gem. 6063 Salmon Rose Gem  
6062 Orange Gem. 6065 White Gem.

Each of the above, pkt., 10c.

- 6075 Liliput Mixed, all colors. Oz., \$1.00; ¼ oz., 30c; pkt., 10c.

## XERANTHEMUM

5849 Double Mixed □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.



Wild Cucumber

## WILD CUCUMBER

5847 Echinocystis Lobata. This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. ¼ lb., 75c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

## Flower Seeds for Fall Sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better treated in this way. The principle is the one Nature uses. Seed dropped from parent plant will lie dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frosts.

The fall-sown plants, as a rule, are much sturdier and better established on the blossoming date than those started indoors.

Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die in the fall.

For list see our fall edition of Gardening Illustrated.



Zinnia Liliput Mixed

## WHITLAVIA

5845 Gloxinoides Blue (California Canterbury Bells) □ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias. A very attractive annual which, if better known, would be grown more freely. Pkt., 10c.

## VIOLA CORNUTA (Tufted Pansies)

Though the flowers are not as large as the regular pansies, they bloom so freely that many people consider them superior where a mass of color is desired. The plants bloom for a long period and the colors are particularly clear and distinct. The flowers are light and graceful, and not so stiff as those of the regular pansy.

- 5806 Alba. Large white flowers.  
5807 Admiration. Violet-blue flowers.  
5808 Black Prince. Rich velvety black.  
5809 Blue Perfection. Pale blue flowers.  
5810 Lutea Splendens. Bright yellow.  
5811 Papilio. Flowers soft lavender-purple, lower petals flushed white.  
5812 Rose. New, very pretty.  
Each of the above, pkt., 10c.

5813 Vaughan's Improved Scotch Pansies. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.

5814 Cornuta Mixed. Pkt., 10c.

## Flower Seeds by Weight

We carry large stocks of all Flower Seeds and shall be pleased to quote larger amounts of the varieties we list upon application.



Pansy Vaughan's Giant Mixture

## FLOWERS FROM SEED FOR SHADE

### OR SEMI-SHADE

Achillea	Impatiens
Aconitum	Kenilworth Ivy
Aquilegia	Lobelia
Asperula	Lychnis
Balloon Vine	Mimulus
Begonia	Myosotis
Bellis	Nemophila
Campanula	Pansy
Cowslip	Platycodon
Coreopsis	Poppy (Perennial)
Dictamnus	Torenia
Digitalis	Primulas
Godetia	Trollius
Heuchera	Viola Cornuta
	Violet



# Seeds and Plants of Perennial Specialties



**Aquilegia Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.**

## AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are much prized for cut flower purposes, making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.

7119+ **Alpina.** Blue. 24 in. April-July. Seeds, 15c per pkt.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7130 — **Fl. Pl.** 3 ft. Double golden yellow flowers. Seeds, 15c per pkt.

7135 — **Grandiflora Alba.** 3 ft. Large flowering, pure white; long spurs. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7145 — **Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7149 **Glandulosa Major.** Very large flower, deep blue and white. Seeds, 25c per pkt.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** This strain is allowed by the Royal Horticultural Society to be the best ever raised, and has received awards whenever exhibited. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. There are no jarring or crude tints, and the whole form a most harmonious mass of coloring, seldom seen in other flowers. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7152 **Jaetschau.** Large-flowered yellow with long, red spurs. Seeds, 25c per pkt.

7155 **Long-Spurred Columbines.** Mixed. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7160 **Nivea Grandiflora.** 2 ft. or more. May-June. Large pure white. Seeds, 10c per pkt.

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Large scarlet and yellow flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7170 **Vulgaris Alba Plena.** 2 ft. May-June. Double white flowers. Seeds, 10c per pkt.

7175 **Single Mixed.** Many varieties. Seeds, 10c per pkt.

7180 **Double Mixed.** Seeds, 10c per pkt.

7190 **Vaughan's Special Mixture** includes all the above mentioned varieties and many new colors not found in any named collection. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

For complete list see pages 78 to 91

+Seeds and Plants are suitable for rock gardens.

## Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

## Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

## Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

## Order Seeds

The numbers in left-hand column indicate varieties of which we offer seed. The number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In some cases we offer both seeds and plants.

## CAMPANULA

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being not difficult to cultivate. The habit of the plant, as a rule, is compact, ranging from 18 to 24 in. in height. They are most effective when planted in the mixed border near the early Phloxes. The *Persicifolia* varieties are good perennial plants. *Pyramidalis* is a tall-growing species sending up its stalks of bloom 5 to 6 ft. in height during August, continuing to bloom six weeks or more.



**Campanula Calycanthema (Cup and Saucer) Mixed**

7260 **Carpatia (Harebell).** 9 in. July. Pretty blue, dwarf. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7265 — **Alba.** 9 in. July. Pure white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7270 **Medium Calycanthema (Cup and Saucer).** Mixed colors. 2 ft. June to August. Seeds, 10c per pkt.

## Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

## Relative Prices Are as follows:

Plants priced at	per dozen..	3 supplied for Each	
{ . \$2.50 }	{	... \$0.85	\$0.35
{ 3.50 }	{	... 1.00	.45
{ 4.00 }	{	... 1.25	.50
{ 4.50 }	{	... 1.35	.55
{ 5.00 }	{	... 1.50	.65
25 plants of a variety at the 100 rate where listed by the hundred.			

## CAMPANULA MEDIUM—Continued

7275 **Calycanthema White.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7280 — **Pink.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7285 — **Blue.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7295 **Medium (Canterbury Bell).** Single white. 2 ft. June. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7300 — **Single Blue.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7301 — **Single Lilacina.** Seeds, 15c per pkt.

7305 — **Single Pink.** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7310 — **Mixed Colors (Canterbury Bells).** Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7315 — **Double White.** 7320 — **Double Blue.**

7325 — **Double Pink.** 7330 — **Double Mixed.** Each of the above, per pkt., 10c.

7335 **Lactiflora Coerulea.** Broad-leaved. 2½-6 ft. Light blue. Seeds, 15c per pkt.

7337 — **Alba.** White. 2-3 ft. Seeds, 15c per pkt.

7338 **Latifolia Macrantha.** 3 ft. Erect stems, large bells, violet-blue. Seeds, 15c per pkt.

7340 **Persicifolia (Peach Bells).** Blue. 2-3 ft. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7345 — **Alba.** White. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7346 — **Telham Beauty.** 4 ft. It produces on long stems very large globular open flowers, of a lovely china-blue with silvery shading inside. Seeds, 10c per pkt.

7350 — **Mixed.** Blue and White. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7351 **Persicifolia Coerulea Plena.** Double blue peach bells. Height, 30 in. Seeds, 35c per pkt.

7352 — **Alba Plena.** Double white. Seeds, 35c per pkt.

7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. Seeds, 10c per pkt.

7360 — **Alba.** Seeds, 15c per pkt.

7365 — **Mixed.** Seeds, 10c per pkt.

7366 **Rotundifolia.** 6-12 in. One of the prettiest species, slender branching stems, covered with dainty frail blue flowers. Seeds, 15c per pkt.

7367 **Trachelium.** (Coventry Bells.) 2-3 ft. Crowded heads of lavender-blue flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7370 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. Seeds, 25c per pkt.

## COREOPSIS (Tickseed)

One of the most popular hardy plants; the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

7495 **Lanceolata Grandiflora.** 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



**Coreopsis Lanceolata Grandiflora**



# Seeds and Plants of Perennial Specialties



Delphinium Vaughan's Gold Medal Hybrids

## DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 ft.; for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers. Remove the flower before the seed pods form and they will flower later in season.

The Butterfly Delphiniums are forms of Delphinium Chinese, height 2-3 ft. Though perfectly hardy perennials, they have the special merit of developing to full size the first year, when sown in frame in February or March. All three colors are large flowered.

7510 **Blue Butterfly**. Pure deepest blue. Seeds, 15c per pkt.

7515 **Lavender Butterfly**. Pure palest blue. Seeds, 15c per pkt.

7516 **White Butterfly**. Pure white with sulphury buds. Seeds, 15c per pkt.

7517 **Cardinale**. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers. 2-3 1/2 ft. July-August. Seeds, 25c per pkt.

7520 **Chinese Blue**. 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7525 **Album**. 2-3 ft. Pure white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## DELPHINIUM—Continued

7526 **Chinese Tom Thumb Ultramarine**. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Seeds, 25c per pkt.

7521 **Azure Fairy**. Soft azure blue. Pkt., 20c.

7530 **Mixed**. Seeds, 10c per pkt.

7535 **Elatum Hybridum, Single Mixed**. 3 ft. June-August. Seeds, 10c per pkt.

7540 **Double Mixed**. 3 ft. Seeds, 15c per pkt.

7541 **Summer Cloud**. The flowers are pure white and come true from seed. Seeds, 50c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7545 **Formosum**. 3 ft. June-July. Deep blue, white eye, open spike. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7550 **Belladonna Improved Cliveden Beauty (Light Blue)**. 2 ft. June-July. Flowers exquisite shade of turquoise blue. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7551 **Bellamosum**. This is a dark form of the light blue Belladonna with intensely rich, deep blue flowers. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7555 **Indigo**. 4 ft. Pure indigo-blue, comes true from seed. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—**Lamartine**. July-August. Dark blue. 3 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7560 **Nudicaule**. 1-1 1/2 ft. April-July. Dwarf brilliant scarlet flowers. Seeds, 25c per pkt.

7561 **Lemon Gem**. Clear yellow self. Seeds, 25c per pkt.

7563 **Chamois**. Seeds, 25c per pkt.

7565 **Zalil**. 3 ft. June-July. Sulphur yellow. Seed germinates very slowly. Seeds, 25c per pkt.

7570 **Vaughan's Gold Medal Hybrids**. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Seeds, 50c per pkt.; 1/2 oz., \$1.00. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



Dianthus Barbatum Vaughan's Special Mixture

## DELPHINIUM—Continued

7571 **Vaughan's Special Mixture**. This contains the Elatum varieties, both double and single, the Butterfly Chinese and all the various kinds and will supply a wonderful array of bloom in the garden all summer long. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## DIANTHUS BARBATUS (Sweet William)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Excellent border plants and fine for cut flowers. Plants grow 18 to 24 in. high.

7635 **Scarlet Beauty**. A charming and distinct color. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7640 **Copper Red**. A new and rich color. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7645 **Diadematus**. One of the prettiest; flowers rose, spotted and sprinkled with white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7650 **Johnson's Giant**. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7655 **Nigrescens**. Almost black. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7660 **Pink Beauty (Newport Pink)**. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



Daisy Shasta Alaska

## DIANTHUS BARBATUS—Continued

7665 **Single Albus**. White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7670 **Atro-sanguineus**. Blood-red. Seeds, 10c per pkt.

7675 **Roseus**. Pink. Seeds, 10c per pkt.

7685 **Single Giant-Flowered Mixed**. Seeds, 10c per pkt.

## Double Varieties

7690 **White**.

7700 **Blood-Red**.

7695 **Rose**.

7703 **Nigrescens**.

7705 **Mixed**.

Seeds, each of above, pkt. 10c.

7710 **Double Giant-Flowered Mixed**. Seeds, 15c per pkt.

7715 **Vaughan's Special Mixture, Sweet William**. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## CHRYSANTHEMUM (Hardy Daisy)

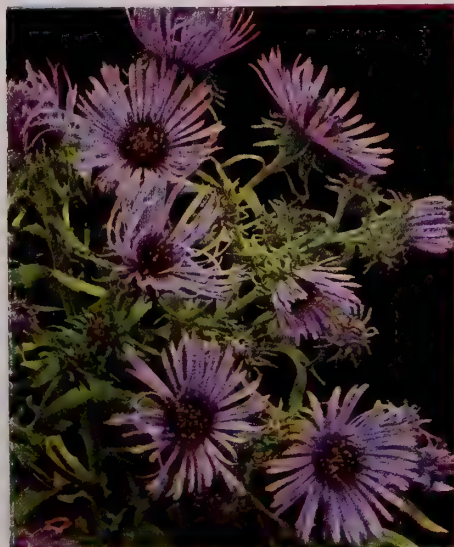
Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

7460 **Maximum King Edward VII**. 2 1/2 ft. Very large white flowers on stout stems. Blooms all summer. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7500 **Maximum, Daisy Shasta Alaska**. 2-2 1/2 ft. Wonderfully large white flowers on stout stems borne in great profusion all summer. Splendid for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



Digitalis Vaughan's Special Mixture  
See next page for description



Hardy Aster, see page 79



# Seeds and Plants of Perennial Specialties



**Gaillardia Grandiflora Mixed**

## GAILLARDIA (Blanket Flower)

June to October. 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

7810 **Grandiflora**. Mixed. Composite flowers, variegated with shades of red and yellow. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7815 —**Semi-plena**. Double row of petals, yellow with red center. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7820 —**Compacta**. Varied colored compact flowers well above foliage. Seeds, 10c per pkt.

7825 —**Kermesina Splendens**. Center crimson, canary-yellow border. Seeds, 10c per pkt.

7826 —**Stand-Holder**. Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to double-ness. Blooms early and the stems are stiff and long. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7827 —**Maxima**. Very fine gold and yellow flowers. Pkt., 20c.

7828 —**Mastadonte**. Large flowered, pure yellow. Pkt., 20c.

7830 —**Sulphurea Oculata**. Pale yellow, maroon eye. Seeds, 10c per pkt.

7835 —**New Hybrids**. Very large flowers, in a great variety of colors. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



**Hollyhock Double Vaughan's Prize Mixture**

## DIGITALIS (Foxglove)

These produce spires of blossoms 3 to 5 ft. high. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.

7751 **Canariensis**. Canary yellow fox glove. Pkt., 25c.

7750 **Grandiflora**. 2 to 3 ft. June-July. A hardy plant with yellowish flowers marked with brown. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7730 **Gloxiniaeflora, White**. Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. Seeds, pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7735 —**Pink**. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7740 —**Purple**. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7736 —**Isabellina**. 5 ft. A very striking new variety, producing yellow flowers which gradually develop a chamois or buff shade. Seeds, pkt., 25c.

7745 —**Mixed Colors**. Seeds, 10c per pkt.

7755 **Maculata Iveryana**. Splendid spotted. Seeds, 10c per pkt.

7760 **Monstrosa Mixed**. Long spikes surmounted by one enormous flower. Seeds, 10c per pkt.

7765 **Purpurea Mixed**. Many colors. Seeds, 10c per pkt.

7768 **The Shirley Hybrids**. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7769 **Hybrida Lutzii**. Salmon hybrids. Seeds, 20c per pkt.

7775 **Vaughan's Special Mixture of Digitalis**. A grand mixture of the above, and many other colors, grown especially for this mixture. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HOLLYHOCK

One of the best hardy garden flowers. Makes a charming hedge or background. 6 to 8 ft. August-September.

### Double Varieties

7970 White	7990 Salmon
7975 Maroon	7992 Yellow
7980 Rose	7995 Crimson
7985 Black	8000 Blood-Red

Each color, Seeds, 10c per pkt. Plants, of the above colors, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8005 **Newport Pink**. The finest pure pink, exquisite shade. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8010 **Allegheny Mixed**. Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8015 **Vaughan's Prize Double Mixture**. Finest shades in perfect flowers. Seeds, ¼ oz., 40c; 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

### Single Varieties

More permanent and hardy than the double and when planted with a deep green background, such as arborvitae hedge, they afford a most striking effect.

8020 Red	8040 Rose
8025 Pink	8045 White
8030 Black	8051 Yellow

Each, Seeds, 10c per pkt.

8055 **Mixed**. Seeds, ¼ oz., 30c; 10c per pkt. Plants, Separate colors or Mixed, 3 for 85c; doz., \$2.50; 100, \$15.00.

## PHYSOSTEGIA (False Dragon Head)

3-4 ft. Extremely beautiful with spikes of rosy pink, lilac or white flowers, which are tube-shaped similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage surrounding the graceful spikes. Flowers in August.

8350 **Virginica**. Dense bushes with spikes of delicate pink tubular flowers. 3 ft. June-September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8355 **Alba**. White. 3 ft. June-September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8356 —**Gigantea**. New. Lilac-rose. Seeds, 25c per pkt.

8357 —**Compacta Dwarf Roseum**. Rose. Seeds, 25c per pkt.

—**Grandiflora "Vivid"**. 20 in. One of the best of the late-blooming perennials. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, much more vivid pink, and they last a long time when cut. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



**Pyrethrum Roseum Hybridum Grandiflorum**

## PYRETHRUM ROSEUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink 1-2 ft.

8430 **Hybridum Double Mixed**. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8435 —**Single Mixed**. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8440 —**Grandiflorum, Single Mixed**. Seeds, 15c per pkt.

8441 —**Album**. White.

8442 —**Carneum**. Flesh.

8443 —**Roseum**. Rose.

8444 —**Atro-sanguineum**. Blood-red.

Each of the above, pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8439 **Uliginosum**. 4 ft. Large giant daisy-like white flowers, in great profusion in fall. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

See Also Novelties

Sow perennial seeds early either in May or June and the seedlings will be better size to winter over more successfully.



**Physostegia Virginica**



# Vaughan's Perennial Flower Seeds and Plants

Note—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted or else they will be sent express at buyer's expense.



ACHILLEA, The Pearl

## ACANTHUS

7000 **Latifolius**. August. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7005 **Mollis**. Flower spikes 4 ft. high of white and lilac flowers. Seeds, 10c per pkt.

## ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil, but preferring sun. They are useful for the border, wild garden or shrubbery; also for cutting.

7007 **Ageratum**. A pretty alpine of compact habit. Yellow, sweet-scented. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7008 **Parker's Variety**. 2½ to 3 ft. June-Sept. Clear yellow flower-heads. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7009 **Millefolium Kelwayi**. Dark blood-red. Seeds, 50c per pkt.

7010 **Ptarmica, The Pearl**. 2 ft. June to August. Pure white, fine for cutting; blooms all summer. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ACONITUM (Monkshood)

Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere. Do not plant near vegetable gardens. Roots are poisonous.

7015 **Fischeri**. 2 ft. September. Dwarf variety with pale blue flowers. Seeds, 15c per pkt.

—**Spark's Variety**. 2½-3 ft. July-August. Darkest blue of all. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7020 **Napellus**. 2½ ft. July-August. Fine rich blue flowers. Seeds, 10c per pkt.

7025 **Wilsonii**. 4-6 ft. September. Clear blue hooded flowers. Excellent for cutting. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## ACTAEA (Baneberry)

A very hardy plant; does well in shady places. Useful in the border, rock and wild gardens.

—**Spicata**. 1½ ft. May-June. Flowers white, producing clusters of white berries in fall. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Rubra**. 1½ ft. May-June. Flowers white; berries bright red. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ADLUMIA (Alleghany Vine)

7030 **Cirrhusa**. 15 ft. The feathery foliage is like the Maiden-hair Fern. Delicate rose pink and white flowers cover the plant. Seeds, 10c per pkt.

## ADONIS

7035 **Vernalis**. 18 in. Large bright yellow flowers with elegant foliage. Blooms in April-May. Seeds, 10c per pkt.

## Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

## Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

## Relative Prices Are as follows:

Plants priced at	3 supplied for	Each
\$.25	1.00	\$0.35
3.50	1.00	.45
4.00	1.25	.50
4.50	1.35	.55
5.00	1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

## Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

## Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

## Order for Seeds

The numbers in left-hand column indicate varieties of which we offer seed. The number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In some cases we offer both seeds and plants.

## Plants Marked + Suitable for Rock Garden

## AGATHEA

7040 **Coelestis (Blue Daisy)**. Flowers sky-blue with yellow disk, easy growth. Useful in the border, for bedding and as a pot plant. Seeds, 10c per pkt.

## AGROSTEMMA

7045 **Coronaria Varieties Mixed**. 1 to 2 ft. Attractive free flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. June-September. Seeds, 10c per pkt.

7048 **Coronaria Atrosanguinea**. Blood-red. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7049 **Hybrida Walkeri**. Brilliant rose-colored flowers. Seeds, 10c per pkt.

7050 **Flos Jovis**. 1 ft. Beautiful pink flowers. Seeds, 10c per pkt.

## AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

+**Reptans**. 3 to 4 in. May-June. Deep purplish blue flowers. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## ALSTROEMERIA

7052 **Aurantiaca**. Belongs to the Amaryllis family, quite hardy, flowers orange color streaked with red. A well established plant will produce five to six flower stalks carrying ten to fifteen blooms Pkt., 25c.

7053 **Pulchra**. Known as St. Martin's Flower. Flowers purplish on outside, edges sulphur-white, with fine yellow upper segments dotted with deep red spots. They require some protection during winter. Pkt., 25c.

## AMPELOPSIS

7060 **Veitchii (Boston Ivy)**. Small leaved, self-clinging, hardy vine. Seeds, 10c per pkt.; 50c per oz. For Plants see Hardy Vines, page 106.



ANCHUSA Dropmore Variety

## ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

7054+ **Argenteum**. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Seeds, 10c per pkt.

7055+ **Saxatile Compactum (Basket of Gold)**. 1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7056+ **Saxatile Compactum Sulphureum**. Pale lemon-colored flowers. Seeds, 15c per pkt.

7057+ **Wulfenianum**. 6 in. Creeping, small leathery silvery gray foliage, flowers large light yellow, in loose showy head. Seeds, 15c per pkt.

## ANCHUSA

Stately and handsome perennials belonging to Forget-me-not family. The leaves are rough and hairy and the drooping flowers are borne in racemes on branching stems.

7071+ **Barlieri**. 30 inches tall. Early-flowering, blue. Seeds, 15c per pkt.

7070 **Italica, Dropmore Variety**. 5 ft. June-July. Beautiful gentian-blue flowers, one of the best perennials. Thrives best in partial shade. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

7072 —**Opal**. 3-5 ft. June-July. A splendid lustrous light blue. Seeds, 15c per pkt.

7073+ **Myosotidiflora**. 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-me-not flowers. Seeds, 25c per pkt.

## ANEMONE (Wind Flower)

A genus which furnished a number of very showy species of hardy perennials for border decoration, also attractive flowers for cutting. Some commence to flower very early in the year, and others contribute largely to the gaiety of the garden in autumn.

7075+ **Coronaria (Poppy Anemone)**. Mixed colors. Early spring-June. 6-12 in. Seeds, 10c per pkt.

7080+ **Coronaria St. Brigid's Strain**. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Seeds, 20c per pkt.

7079 **Coronaria Double Chrysanthemum Flowered**. Seeds, 20c per pkt.

+ **Japonica Alba**. Pure white, showing yellow anthers. 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.

+ **Japonica Queen Charlotte**. A strong grower, producing large semi-double pink flowers. 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.

+ **Japonica Whirlwind**. Semi-double white, 2 to 3 ft. Sept.-Oct. Plants, 3 for \$1.00; doz., \$3.50.



# Vaughan's Perennial Flower Seeds and Plants



**ANEMONE Japonica**

## ANEMONE—Continued

- 7089 **Pennsylvanica**. 1-2 ft. May-July. White flowers, cup-shaped, 1-2 inches across on strong stems. Leaves much divided. Erect plant. Seeds, 25c per pkt.
- 7090 + **Pulsatilla**. 1 ft. April-May. Well adapted for rockwork or border, flowers varying from lilac to purple. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50.
- 7095 + **Pulsatilla Rubra**. 6 to 9 in. April-May. Dark red with erect flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.
- 7100 + **Sylvestris**. (Snowdrop Windflower.) 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50.

## ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil but needing full sun.

- 7110 **Kelwayi** (Hardy Marguerite). 2 ft. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7111 — **Alba**. Hardy white Marguerite. 3 ft. Seeds, 15c per pkt.
- 7115 **Tinctoria**. Very useful yellow border plant. 2 to 3 ft. June-Oct. Seeds, 10c per pkt.

## ARABIS (Rock Cress)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings. They do well in any soil, but need plenty of sun.

- 7195 + **Alpina**. 6 in. Early in the spring the pure white flowers make a pleasing contrast in beds and borders with the golden Alyssum and the blue Aubrietia. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7196 **Alpina Compacta**. Compact growing type. Seeds, 15c per pkt.

## ARENARIA

These are extremely pretty little alpine plants and will thrive in any ordinary soil in exposed places.

- 7214 + **Montana**. 6 inches. Grows in close tufts, profusely covered with small silvery white flowers which appear quite early in the season. Seeds, 25c per pkt.

## ARISTOLOCHIA

- 7200 **Sipho** (Dutchman's Pipe). 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers shape of a Dutchman's pipe, hence its name. Rich soil is the best. Requires protection in winter. Seeds, pkt. (10 seeds) for 20c. For Roots, see Hardy vine page 106.

## ARMERIA (Thrift Sea Pink)

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

- 7205 + **Alpina**. Purple flowers in July. Seeds, 10c per pkt.
- 7210 + **Formosa**. 9 in. Pretty rose-pink. Fine for borders. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7211 + **Formosa Hybrida**. 24 in. Shades of pink. Blooms early summer. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7218 + **Lauchiana**. 6 in. June-August. Crimson flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7219 + **Maritima**. 3 to 6 in. May-June. Silvery pink flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7217 **Ruby**. 1½ ft. A handsome variety with rich deep rose-colored flower heads. 15c per pkt.

## ARTEMISIA

- **Lactiflora**. 4 to 4½ ft. September-October. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ASCLEPIAS (Butterfly Weed)

- 7220 **Tuberosa**. 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers, with purplish stems and hairy leaves. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ASPARAGUS

- 7221 **Verticillatus** (Hardy Asparagus Vine). 10 to 15 ft. Blooms freely and has abundance of red berries late in summer. Fine to cut and use in bouquets. Perfectly hardy, requiring no protection. Vines die down to ground each year. Seeds, 15c per pkt.

## ASPERULA

Pretty white flowered perennials with square stems, whorled leaves and four-lobed flowers, do best in shade.

- 7222a **Hexaphylla**. 3 ft. Has a delicate misty spray and may be used with sweet peas and other cut flowers to lighten the effect. Seeds, 15c per pkt.
- 7222 + **Odorata Woodruff** or **Waldmeister**. 6 to 8 in. An herb whose leaves are fragrant and are used in making beverages or when dried used to lay among linens. Seeds, 10c per pkt.

## ASPHODELINE (Asphodelus)

- 7223 **Lutea**. 2 to 4 ft. Ornamental tufts of glaucous blue foliage, terminal spikes of attractive golden yellow flowers, unique for naturalizing. June-July. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



**ASTER Climax**



**ARTEMISIA Lactiflora**

## ASTER (Michaelmas Daisy)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. See illustration on colored pages.

- + **Alpinus**. 3 to 10 in. high. Bears large showy bluish purple flowers with yellow centers in May and June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- + **Alpinus Alba**. A white variety of the above. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7226 + **Alpinus Goliath**. 6 to 10 inches high and bears large showy, bluish-purple flowers with yellow center in May and June. Seeds, 20c per pkt.
- 7227 + **Alpinus, Nixe**. Light blue, star-shaped, 12 in. Seeds, 15c per pkt.
- 7228 + **Subcoeruleus**. 15 inches. Light color. Forms a dense tuft of leaves from which issue many leafless stems 12 inches high, bearing in June and July massive bluish-violet flowers 3 inches in diameter. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7225 **Perennial, Large-Flowering Mixed**. Various shades of blue. Seeds, 25c per pkt.
- The **Novi Belgii Type**, better known as the **Michaelmas Daisy**.
- **Abendrothe**. 3 to 5 ft. Beautiful deep rose. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Barr's Pink**. The best recent introduction in its color. 2½ ft. tall; much branching with rich glossy foliage. Medium rose-pink with very large florets. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **Climax**. 5 ft. One of the best and showiest, with large, pyramidal spikes of large, light lavender-blue flowers, with gold centers, very free blooming. October-November. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Climax White**. 5 ft. October-November. Pure white. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Cloudy Blue**. 4 ft. September-October. Fine pale blue, semi-double flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Elta**. A very fine new Aster. In beauty and keeping qualities it cannot be excelled. The clear lavender flowers are borne in clusters on dark green glossy stems. Semi-double. Does not wilt after cutting. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **Queen Mary**. 4 ft. Flowers are dark sky-blue and frilled. Plant is of the climax type, but with more lateral branches. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- **St. Egwin**. A pleasing rosy pink. Very free-blooming. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- **Well's White**. 4 ft. September-October. Large white flower. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



# Vaughan's Perennial Flower Seeds and Plants



BOCCONIA (Plume Poppy)

## AUBRIETIA

One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Massed on rockeries or in borders with white Arabis and yellow Alyssum, it forms a charming contrast. A gem for planting in crevices of rocks or wall, forming a cataract of color.

7231 + **Bougainvillei**. Flowers are dark blue. Seeds, 25c per pkt.

7232 + **Graeca**. Light blue, dwarf floriferous. Seeds, 25c per pkt.

7233 + **Leichtlinii**. Large-flowered, deep rosy purple. Seeds, 25c per pkt.

7230 + **Large-Flowered Hybrids, Mixed**. 6 inches. A wonderfully fine strain, producing a good range of colors, from deep purple, blue and lavender to bluish pink, rose, carmine and crimson. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## BAPTISIA

7235 **Australis (False Indigo)**. Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves, cut very deeply to form three oval leaflets, and bears its Lupin-like blue flowers in dainty branching spikes in June and July. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## BELLIS PERENNIS FL. PL.

### English Daisy.

A low-growing spring-flowering semi-hardy perennial. Loves a shady place and will bloom for years if protected over the winters.

+ **Mammoth Pink**. The largest deep clear double pink.

+ **Monstrosa. Double Red**. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## BIGNONIA

7237 **Radicans (Trumpet Vine)**. A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Seeds, 15c per pkt. See Hardy climbing vine page for plants.

## BOLTONIA (False Chamomile)

The Boltonias bloom at the same time and resemble some of the wild Asters of the woodland. The leaves are long and grayish and in these characteristics are roughly distinguished from the perennial Asters.

The Boltonias, because of their great height, are highly desirable in large perennial borders because the plants literally bear thousands of star-like flowers. They serve excellently as cut-flowers.

7245 **Asteroides**. July-October. 4-6 ft. White. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7250 **Latisquama**. 4-5 ft. July-October. Delicate pink. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

— **Latisquama Nana**. Dwarf form. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## BOCCONIA

7240 **Cordata (Plume Poppy)**. 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Seeds, 10c per pkt.

## BUDDLEIA (Butterfly Bush or Summer

### Lilac)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root like other perennials.

7251 **Variabilis Veitchiana**. 3-8 ft. July-September. Mauve. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Plant in Spring.

## BUPHTHALMIUM

Showy, hardy, herbaceous, perennials belonging to the lavender order, with Thyme-like flowers, useful for cutting, also for mixed border.

7254 **Cordifolium (Speciosum)**. 3 ft. Heart-shaped, coarsely toothed leaves, very large orange yellow flowers with brownish center. Flowers in July. Seeds, 15c per pkt.

7255 **Salicifolium**. 1 to 2 ft. Bears large yellow solitary flowers in June. Seeds, 10c per pkt.

## CALAMINTHA

7257 + **Alpina**. 6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. Seeds, 35c per pkt.

## CALLIRHOE

7256 + **Involucrata (Poppy Mallow)**. A showy, trailing, hardy perennial bearing continuously from early summer till fall; large, bright crimson saucer-shaped flowers; looks best on the rockery, but can be used in front of the hardy border. Seeds, 15c per pkt.

## CAMPANULA

7334 + **Fragilis**. Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. Seeds, 25c per pkt.

7366 + **Rotundifolia**. 6 to 12 inches. Blue bells of Scotland or Harebells. June to August. In the wild it is more slender and taller than in the garden; clear blue flowers. Especially suited for crevices in the rock garden, or steep slopes, if planted to show pendent habit. One of the pretty species. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7361 + **Turbinata**. 6 in. A beautiful variety forming close mats of foliage and bearing large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. Seeds, 20c per pkt.

7362 + **Turbinata Alba**. Same as above with white flowers. Seeds, 15c per pkt.

For other Campanulas see Colored Section CANDYTUFT—See Iberis

CANTERBURY BELLS—See Campanula Medium in Colored Section

## CARNATION

### GRENADIN

1 ft. A valuable bedding variety with double flowers blooming first year from seed if sown early.

7385 + **Triumph, Rose**. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7390 + **Dark Velvety Brown**. Seeds, 15c per pkt.

7395 + **Scarlet**. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7400 + **White**. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7401 + **Mixed**. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7402 + **Dwarf Red**. This is dwarfer than the one offered above and is more suitable for rock work and edging and pot culture. Seeds, 25c per pkt.

## VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent, ranging from lustrous light scarlet to deep purple, from delicate flesh to carmine-rose, pure white, yellow and violet and also the light pinks are included. Flowering period is at least 14 days earlier than any other Carnations of that class.

7405 + **White**. Seeds, 15c per pkt.

7410 + **Rose**. Seeds, 15c per pkt.

7415 + **Mixed**. Seeds, 10c per pkt.

7420 + **Double Mixed, Extra Choice**. Seeds, 15c per pkt.

## CASSIA (American Senna)

7376 **Marylandica**. 3 to 4 ft. July-August. A bushy growing plant with large panicles of bright yellow, curiously shaped flowers in abundant axillary clusters. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## CATANANCHE (Cupid's Dart)

Has hoary, lance-shaped leaves, and crisp chaff-like flowers, resembling those of the everlasting. Belongs to the Daisy order and is an attractive plant when in flower. Flowers are useful for cutting.

7377 **Coerulea**. Pretty deep blue flower in great profusion. 2 ft. Blooms in June to September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7378 **Coerulea fl. Albo**. Pure white flowers. Seeds, 10c per pkt.

## CENTAUREA (Hardheads, Knapweed)

The flower heads are like showy, ragged thistle blooms of bright red, deep purple, golden yellow and blue. They grow 2 to 3½ ft. tall and bloom during summer months.

7379 **Dealbata**. 2 ft.. Large and striking rose-pink flowers, feathery foliage. Seeds, 15c per pkt.

7425 **Macrocephala**. The showiest of all, great thistle-like golden yellow flowers on stiff stems. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7430 **Montana Blue**. 2 ft. June-September. Numerous deep blue flowers somewhat resembling the annual cornflower. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7431 **Montana Alba**. White. Seeds, 10c per pkt.

## CENTRANTHUS

+ **Ruber (Jupiter's Beard)**. Bushy, clumps of foliage. The flowers, borne in profusion, vary from pale to deep red. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## CEPHALARIA

7433 **Alpina (Giant Scabiosa)**. 5 ft. June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a Scabiosa. Good for shrubby borders. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## CERASTIUM

7435 + **Tomentosum (Snow in Summer)**. 4 in. A low, creeping plant with the upper surface of the leaves light in color and woolly; it bears a profusion of pretty white flowers. Much used for edgings. Blooms early. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## CHEIRANTHUS (Siberian Wallflower)

7440 + **Allioni**. 1 ft. A beautiful rock plant. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

For other varieties see Page 53.



BUDDLEIA (Butterfly Bush)



# Vaughan's Perennial Flower Seeds and Plants

**CHINESE FORGET-ME-NOT.** See *Cynoglossum*  
Amabile on Page 55.

**CHIVES**—See Page 22.

## CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

—**Arcticum (Arctic Daisy).** A very hardy fall flowering perennial forming an attractive clump of glossy green foliage covered with a mass of white flowers, slightly suffused rose or lilac. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Hartje and Elder (Decoration Day Daisy.)** Pure white with a yellow centre. An excellent cut flower. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7455 **Laciniatum, White Comet Fringed.** White petals. Seeds, 15c per pkt.

—**Leucanthemum Flore Pleno (Double White Shasta Daisy).** Flowers double pure white of medium size, excellent for cutting. 1-2 ft. June-July. Each plant produces from 30 to 50 flowers. Perfectly hardy without any protection. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7465 **Maximum Market Favorite.** Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. Seeds, 15c per pkt.

7470 **Mrs. C. Lothian Bell.** Large white daisy-like flowers. Seeds, 15c per pkt.

—**Uliginosum.** 4 ft. Large giant daisy-like white flowers, in great profusion in fall. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

For Shasta Daisy Alaska see Colored Section.

## CIMICIFUGA (Snake Root)

—**Racemosa.** 4 to 8 ft. Tall, late-blooming. July to August. The large leaves are cut very deeply and the flowers, white, small, feathery and closely set, are borne on long stalks. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## CLEMATIS

7474 **Jackmanii.** Strong, healthy growth, hardy, rich deep velvety-purple flowers. Seeds germinate very slowly—may take a year. Seeds, 25c per pkt. For plants see climbing vine page 106.

7473 **Paniculata (Small-Flowering).** A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Seed germinates very slowly. Seeds, 10c per pkt. For plants see climbing vine page 106.

7475 **Recta.** 2 to 3 ft. June-July. Produces fragrant, pure white flowers in very large, showy clusters. Seeds, 15c per pkt. Plants, 3 for \$1.40; doz., \$4.00.



CHEIRANTHUS (Siberian Wallflower)

## COMMELINA

7480 **Coelestis.** 10 to 18 inches. Branching habit, long pointed leaves, navy-blue flowers in clusters, tuberous rooted. Seeds, 25c per pkt.

**COREOPSIS (Tickseed)**—See Colored Section and Perennial Novelty Pages.

## CRUCIANELLA

7499+ **Stylosa.** 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. Seeds, 15c per pkt.

## CYPRIPEDIUM (Hardy Orchids)

Hardy Orchids for the most part are shade-loving plants and delight in a soil well drained and largely composed of leaf mold.

—**Acaule (Lady Slipper).** This is often called the Red Lady Slipper, but the flower is rose-purple in color. The plant sends up two broadish green leaves from the base and from between them comes a stalk about a foot high bearing a single large, showy flower. May-June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Spectabile (Showy Lady Slipper).** The finest and most showy of all Orchids. It grows about 2 ft. high, bearing along the stalk several rather large roundish leaves and on top one or two quite large, rose-purple or nearly white flowers. June. Semi-shade required. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



CIMICIFUGA

## DELPHINIUM

—**Blackmore and Langdon Strain.** Plants, 3 for \$1.25; doz., \$4.00; 100, \$25.00.

—**Wrexham Strain.** Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

For descriptions of the above two Delphiniums, see Novelty Section page 4 and Colored Section page 75.

## DIANTHUS □ +

7575 **Allwoodii Mixed.** It makes an ideal pot plant. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. Seeds, pkt. (25 seeds), 50c.

Plants of named sorts of the above listed below.

—**Harold.** A splendid large double pure white or very symmetrical form and great substance.

—**Jean.** Pure white, a deep violet-crimson center. A distinct, handsome flower.

—**Mary.** Pale rose-pink with light maroon center.

—**Robert.** A delicate shade of old rose with light maroon center.

—**Mixed.** Price of any of the above five sorts: Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



DIANTHUS Plumarius (Clove Pink)

## DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early-blooming and free-flowering Hardy Garden Pinks are unequaled for rock gardens; for the old-fashioned garden and for the borders of beds and drives. They should be planted where they receive full sunlight and in good soil.

+ **Abbotsford.** A beautiful, brilliant deep carmine, spotted with white. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7580+ **Caesius (Cliff Pink).** 1 ft. Flowers delicate rose pink, fragrant. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7630+ **Atro-coccineous (Everblooming Sweet William) Cruentus.** Beautiful outdoor pink of intense crimson color; semi to full double flowers, borne on stout stems 15 to 18 inches high. Blooms continuously all summer and is useful for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7582+ **Deltoides (Maiden Pink).** Delicate pink blossom carried above fine, feathery foliage. Excellent for the rockery and as an edging plant. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7581+ **Dentatus Hybridus.** A red Siberian variety flowering in July, known as the Amoor Pink. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7586+ **Neglectus (Glacier Pink).** Flowers cherry-carmine, very bright and attractive. 6 in. May-July. Seeds, per pkt., 50 seeds, 25c.

—**Plumarius** are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or rockwork.

7591+ **Albus Plenus.** Double white. Seeds, 25c per pkt.

7590+ **Cyclops (Clove Pink).** An exquisite mixture of colors; fragrant. 1 ft. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7595+ **Cyclops, Red Hybrids.** Seeds, 15c per pkt.

7597+ **Cyclops Double Mixed.** Seeds, 25c per pkt.

7600+ **Diadematus.** 12 in. White, pink and crimson. Seeds, 10c per pkt.

7611+ **Mrs. Sinkins.** Large double white. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7596+ **Peacock.** Fringed white flowers with rings. Seeds, 15c per pkt.

7605+ **Nanus Fl. Pl.** Double dwarf mixed. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7610+ **Semperflorens.** 15 in. Single and double, flowers all spring and summer. Mixed colors. Seeds, 15c per pkt.

7615+ **Single Mixed.** Delicately fringed flowers. Seeds, 10c per pkt.

7620+ **Double Mixed.** Fine for cutting. Seeds, 10c per pkt.

7625+ **Vaughan's Special Mixture.** A grand selection of clove pinks of the above Plumarius type and others. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



# Vaughan's Perennial Flower Seed and Plants

## ECHINOPS (Globe Thistle)

All the Globe Thistles are distinctive plants and are well adapted to plant in borders, among shrubbery or to use as bold specimen plants. The flower heads are round like a ball and are entirely covered with needle-like thistles. Are excellent for cutting, can be dried and will remain attractive for months. They are also suitable for naturalizing in wild gardens. The leaves are large, deeply cut and very prickly.

7788 **Ritro**. 3-4 ft. Steel-blue flower heads. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7790 **Sphaerocephalus**. 4 ft. Grayish white flowers on stout stems. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## EREMURUS

May-June. A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to 10 feet high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.

7808 **Himalaicus**. 6 ft. Snow-white flowers in dense spikes. Seeds, 25c per pkt.

7809 **Robustus**. 8 to 10 ft. Tapering spikes of peach-pink flowers. Seeds, 25c per pkt.

## ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

7796 **Speciosus Hyb. Grandiflorus**. Large flowers rich purple. 24 in. June. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7797 **Elatior**. Rosy, 24 in. May-June. Seeds, 20c per pkt.

## ERINUS

7798 + **Alpinus**. Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. 4 in. May-June. Seeds, 35c per pkt.

## ERODIUM

7799 + **Manescavi**. Handsome dwarf perennial, producing an abundance of small Pelargonium flowers, bright crimson-purple, delicate fern-leaved foliage. 18 in. June-Aug. Seeds, 15c per pkt.

## ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to September. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teazel. The flowers are very decorative in baskets when combined with Gladiolus. The branches can be dried and the flowers used in winter bouquets.

7792 **Alpinum**. 2-3 ft. Shining green leaves, large light blue flowers. Seeds, 10 per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7793 **Amethystinum**. 1½-3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst-blue thistle-like flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



ECHINACEA (Rudbeckia)



EREMURUS

## ERYNGIUM (Sea Holly)—Continued

7795 **Planum**. 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ERYSIMUM

7794 + **Pulchellum (Fairy Wallflower)**. A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil, Seeds, 15c per pkt.

## EUPATORIUM (Thorough Wort)

Strong growing border plants, suitable for cutting; they bear minute flowers in dense heads; ordinary garden soil suits them.

7800 **Ageratoides (White Snakeroot)**. 2 ft. Pure white ageratum-like flowers; does well in shade. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7805 **Purpureum (Joe Pye Weed)**. 6-7 ft. July-September. Pink flower, purple stalked. Good for bold effects in border or against shrubbery. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7804 **Coelestinum (Mist Flower)**. September-October. Light blue. Seeds, pkt., 25c. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## EUPHORBIA

7806 + **Polychroma**. 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with Geum Lady Stratheden. Grows into fine compact bush. Little known but very desirable. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready March 15.)

—**Adiantum Pedatum (Maidenhair Fern)**. 1 ft. The best dwarf fern.

—**Asplenium Filix-Foemina (Lady Fern)**. 2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

—**Aspidium Spinulosum (Spinulose Wood Fern)**. 1½ to 2 ft. A strong grower and should be included in every Fern collection.

—**Onoclea Struthiopteris (Ostrich Fern)**. 3 to 4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

—**Osmunda Claytoniana**. 2-3 ft. A good fern for the shady corner. Fronds 7 to 12 in. wide. Price, any of the above Ferns: Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**FORGET-ME-NOT**—See *Myosotis* in perennial and annual sections.



DICENTRA (Bleeding Heart)

## DICENTRA (Dielytra)

### (Bleeding Heart or Seal Flower)

—**Spectabilis**. An old-fashioned favorite. Its long racemes of graceful heart-shaped pink flowers are always attractive. It is used largely for forcing and is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, 55c; doz., \$5.00.

—**Exima**. Plumy Bleeding Heart. Dwarf, 12 inches. Racemes of pendant pink flowers borne above fine cut feathery foliage. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## DICTAMNUS (Gas Plant)

The glossy, leathery leaves are dark green and retain their deep color until late in Fall. The flowers are borne on spikes 2 to 3 feet high. Both the foliage and flowers are fragrant and when the parts are crushed in the hand, they have the fragrance of a lemon. The whole plant gives off a strong, volatile oil which will give a flash of light if a lighted match is held under the cluster of seed capsules on a sultry Summer evening. The seed of these is very slow to germinate and plants when once established, should be let alone.

7720 **Fraxinella**. 3 ft. June-July. Large spikes of deep pink, purple-veined flowers. Seeds, 15c per pkt.

7725 **Albus**. 3 ft. June-July. Spikes of attractive pure white sweet-scented flowers. Seeds, 15c per pkt.

**DIGITALIS (Foxglove)**—See Colored Section.

## DODECATHEON (American Cowslip)

### (Shooting Star)

Very pretty dwarf Primulaceous plant, ovate or oblong leaves with drooping Cyclamen-like flowers borne in umbels. They require a moist, cool and shady position.

—**Meadia**. 1 ft. April-June. Flowers lilac. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## ECHINACEA (Coneflower)

Stout perennials for the border or wild garden. Flowers in July-August, and the blooms make good cut flowers.

7780 **Hybrida**. 4 ft. Flowers of various shapes, produced in a wide range of colors. Seeds, 15c per pkt.

7785 **Purpurea (Purple Coneflower)**. 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7786 **Purpurea Grandiflora**. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## EDELWEISS

7791 + **Leontopodium Alpinum**. 4-12 in. June-July. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any soil with full exposure to sun. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



# Vaughan's Perennial Flower Seeds and Plants



HARDY FERN

## FILIPENDULA HEXAPETALA

(Spiraea Filipendula)

Good for front row in hardy border. Graceful plants, both in flower and foliage.

—**Flore-Pleno** (Dropwort). June-July. Double white. 1-2 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**FUNKIA** (Day Lily). See Hosta on page 83.

**GAILLARDIA** (Blanket Flower) — See colored section and Perennial Novelties.

## GALEGA (Goat's Rue)

Herbaceous perennials belonging to the Pea order. They have pretty, pinnate foliage, and Pea-shaped flowers borne in racemes throughout the summer. The latter are of great value for cutting purposes.

7839 **Hartlandi**. 4½ ft. June-Aug. Long racemes of beautiful lilac, pea-shaped blossoms. Seeds, pkt., 25c.

## GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam. Rather difficult to establish; do not disturb after once started. Seed slow to germinate and do not use lime in soil.

—**Andrewsii**. One of the most fascinating native plants. The flowers which are tightly closed are borne at the top of a stem from 6 to 8 in. long and are an intense deep blue. Blooms best in moist place. June-October. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7840 + **Acaulis**. 4 in. Large bell-shaped deep blue flowers; spring blooming. Seeds, 20c per pkt.

7845 **Lutea** (Yellow Gentian). 4 ft. July to September. Whorls of giant yellow flowers. Seeds, 10c per pkt.

## GEUM

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

7851 **Bosonii**. Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c.

7850 **Coccineum Atrosanguineum Plenum**. 1½ ft. May-July. Flowers are double, bright scarlet. Seeds, 15c per pkt.

7852 + **Lady Stratheden** (Golden Ball). Flowers loosely double a delightful shade of golden yellow. Cut blooms of this with sprays of Euphorbia Polychroma make a charming cut flower combination. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$15.00.

7853 + **Mrs. Bradshaw**. The double orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. 2 ft. June-September. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857 + **Trichosantha**. Dark blue. 12 in. Seeds, 20c per pkt.

## GRASSES

The ornamental grasses can be used with telling effect either as individual specimens in the border or on the lawn. Large beds or borders planted entirely to the different varieties are attractive or when planted in clumps on the margin of ponds.

7858a **Erianthus Ravennae**. 5 to 7 ft. Plume Grass. Producing from 30 to 50 flower-spikes. Closely resembles the Pampas Grass. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Eulalia Gracillima Univittata**. 5 to 6 ft. The most graceful of all. Foliage narrow, bright green, with a silvery midrib. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Eulalia Japonica Variegata**. 4 to 6 ft. A tall graceful variety from Japan. Its long, narrow leaf-blades are striped green-white and often pink and yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Festuca Glaucia**. 1 ft. A pretty dwarf grass with tufts of fine bluish green foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7856 **Gymnothrix Latifolia**. (Pennisetum Latifolium.) 3 to 4 feet, bearing several nodding plumes. 1 to 2 feet long. Seeds, 15c per pkt.

7856a **Gynerium Argenteum**. Pampas Grass. The plumes are silvery white. Lives with protection as far north as Rochester, N. Y. Perfect specimens can be obtained only in light, rich soil with moderate moisture, especially in early growth. Seeds, 15c per pkt.

7856b **Stipa Pennata**. Feather Grass. A well-known variety which has been grown in gardens. Seeds, 25c per pkt.

7859 **Uniola Latifolia** (Spike Grass). One of the best of our hardy native grasses. Leaves are broad and flat, often one inch wide, spikelets large and thin and when full grown droop on slender stems. Seeds, 15c per pkt.

**GOLDEN ROD**—See Solidago on Page 88.

## GUNNERA (Prickly Rhubarb)

7858 **Manicata**. A noble plant with huge leaves from 4 to 5 feet in diameter; requires a damp situation. A fine subject for large lawns, the bog garden, or beside pools. Height, 3 to 6 feet. Seeds, 35c per pkt.

## GYPSOPHILA

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting. Do not disturb after once established.

7860 **Paniculata Flore Pleno**. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Seeds, 25c per pkt. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

7865 **Paniculata** (Baby's Breath). 2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, 10c per pkt. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

—**Bristol Fairy**, New. Early double pure white large flowering perennial baby's breath. It is a new form, blooming much earlier than paniculata fl. pl. and producing a second crop of spikes after the first have been cut. Plants, 75c each.

7862 + **Repens**. Dwarf white Baby's Breath. Splendid in rockery. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HEDYSARUM

7866 **Coronarium**, Red. French Honeysuckle. Attractive border plants with showy racemes of deep red, fragrant flowers. 2-4 ft. Summer. Need sun and light, well-drained soil. Seeds, 10c per pkt.

## HELENIUM (Sneezewort)

The Heleniums are tall autumnal plants which are closely related to the Sunflower. The blooming period is from June to the end of September and during this time the plants are covered with flowers of mahogany-crimson, coppery-bronze, lemon-yellow, and light and dark rich yellows. The flowers are flat and are borne in large heads of clusters.

—**Autumnale Rubrum**. 3 to 4 ft. August-September. Oxblood-red changing to terra cotta. Makes a wonderful display. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8775 **Autumnale Superbum**. 4-5 ft. Large clear light yellow flowers in September. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



GYPSOPHILA—Paniculata Flore Pleno

HELENIUM (Sneezewort)—Continued

7880 **Bigelowi**. 2 ft. Large rich yellow flowers. Seeds, 10c per pkt.

7885 **Hoopesii**. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7890 **Riverton Gem**. 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7895 **Riverton Beauty**. Rich lemon-yellow, with a large purplish cone. 4-5 ft. August-September. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

## HELIANTHEMUM

7906 + **Mutabile** (Rock Rose). Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. 8-12 in. Excellent for rockeries. Mixed colors. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

7899 **Angustifolius** (Autumn Glory). 5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms very late in season after frost has killed everything else. Seeds, 15c per pkt.

7900 **Maximilianii**. Small and graceful flowers of deep yellow on stems 2 to 4 ft. long, blooming from August to October. Seeds, 25c per pkt.

—**Mollis**. Plants, 3 for 85c; doz., \$2.50; 100 for \$15.00.

7905 **Perennial Varieties**, Mixed. Seeds, 15c per pkt.

—**Multiflorus Plenus** (Dahlia Sunflower). August-September. Double yellow. 3-6 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HELIOPSIS (Orange Sunflower)

A very brilliant border plant, resembling a double sunflower; flowers are double yellow; produced on long wiry stems; an excellent cut flower.

7910 **Pitcheriana**. 3 to 4 ft. high. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and blooms all summer. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7915 **Scabra Zinniaeflora Plena**. 3 ft. A compact, bushy plant with double yellow zinnia-like flowers borne freely in July and August. Seeds, 15c per pkt.

7916 **Soleil d'Or** (Golden Sun). Free flowering, very useful in the garden for display or cutting, golden yellow flowers. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



# Vaughan's Perennial Flower Seeds and Plants



HOSTA (Funkia or Day Lily)

## HELLEBORUS

7920 **Niger** (Christmas Rose). 1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established in border do not disturb; seeds germinate very slowly. If the stems of the flowers are slit upwards a few inches before placing them in water they will last a long time in water. Seeds, 25c per pkt.

## HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and many have a delightful fragrance.

- Aureole**. 3 ft. May-July. Orange shade with crimson.
- Citrina**. June-July. Pale citron-yellow. 2 ft.
- Dr. Regal**. Rich orange-yellow. May and June. One of the best.
- Flava**. July-August. Yellow. 3 ft.
- Fulva Kwanso**, fl. pl. June-July. Coppery red double. 3 ft.
- Sovereign**. June-July. Chrome-yellow. 3 ft. Plants, any of above Hemerocallis, 3 for 65c; doz., \$2.00; 100, \$10.00.

### Hemerocallis Collection No. 83

One each of above 6 varieties for \$1.10, prepaid.

## HESPERIS MATRONALIS

(Sweet Rocket—Evening Scented Stock)

Belongs to the Wall flower family. Deliciously sweet-scented flowers for garden or cutting. 2-3 ft. June-August. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

- 7930 **Purpurea**. Purple. Seeds, ½ oz., 30c; 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7935 **Alba**. White. Seeds, 10c per pkt.

## HEUCHERA (Coralbells)

Neat growing and graceful flowering perennials yielding an abundance of flowers suitable for cutting. Belong to Saxifrage order. They have roundish or heart-shaped leaves, a thick woody root stock and bear their dainty flowers in graceful panicles or racemes. Exceptionally fine for rock gardens, for the front of borders, and cut flowers.

- 7941+**Brizoides Gracillima**. May-June. Bright, flesh-pink. 2 ft. Seeds, 25c per pkt. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- 7940 **Sanguinea**. 2 ft. July-August. Long stems of large crimson-scarlet flowers. Splendid for cutting. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- 7942 **Sanguinea Maxima**. Large flowered, deep crimson. Seeds, 35c per pkt.
- 7943 **Sanguinea Hybrida Grandiflora**. Large flowered hybrids, very fine. Seeds, 35c per pkt.
- New Hybrids**. All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## HIBISCUS (Rose Mallow) 3 to 5 Feet

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. August-September. Very hardy. Suitable for garden and indoor use when cut.

- 7945 **Crimson Eye**. Creamy white flowers, large crimson center. Seeds, 10c per pkt.
- 7950 **Golden Bowl**. Deep cream, with a velvety maroon center. Seeds, 10c per pkt.
- 7955 **Moscheutos** (Rose Mallow). Very showy pink flowers. Seeds, 10c per pkt.
- 7960 **Mixed Mallow Marvels**. Grand assortment. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.
- 7965 **Mallow Marvels, Red**. Very choice. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mallow Marvels, Pink**. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mallow Marvels, White**. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

HOLLYHOCK—See Colored Section and novelties.

## HIERACIUM

- 7967+**Villosum** (Shaggy Hawkweed). 12 in. July. Plant is covered with a white silkiness effective for its large golden yellow flowers and silvery foliage; suitable for rock work. Seeds, 15c per pkt.



HIBISCUS

## HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. 1½-2 ft. July-August. Effective in front of shrubbery under trees, or any shady position where they thrive best.

- Coerulea** (Lanceolata). August. Dark blue. 1 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- Undulata Medio Variegata**. 12 in. Silvery white, lined green. Very ornamental foliage plant. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.
- Subcordata Grandiflora**. Flowers white, large leaves. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.
- Variegata**. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HYACINTHUS

- 8060 **Candicans** (Cape Hyacinth). A snow-white summer flowering Hyacinth, 3 to 5 ft. tall, surmounted with from 20 to 30 pure white bell-shaped flowers. Seeds, 15c per pkt.

## HYPERICUM (St. John's Wort)

A splendid shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 in. in diameter, like immense single buttercups. A most desirable plant for sunny situations.

- Moserianum**. July-September. Golden yellow, 3 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 8075+**Gibraltarica**. Pinkish white. Seeds, 10c per pkt.
- 8080+**Sempervirens**. Flowers form a sheet of whiteness. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## INCARVILLEA

- 8085 **Delavayi** (Hardy Gloxinia). 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## INULA

- 8088+**Ensifolia**. 9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. Seeds, 25c per pkt.

## IRIS

- 8090 **Kaempferi** (Japanese Iris). The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. Seeds, 10c per pkt.

8091 **Large flowering Hybrids**. This seed comes from the trial grounds and workshop of a French specialist who has introduced many new and beautiful varieties and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. Seeds, 50c per pkt.

(For Iris Plants see pages 90, 91.)

—KNIPHOFIA. See Tritoma.

## LATHYRUS LATIFOLIUS (Hardy Pea)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

- 8100 **Pink Beauty**. Pale pink variety. Seeds, 10c per pkt.
- 8105 **Rubra**. Bright rosy crimson. Seeds, 10c per pkt.
- 8110 **White Pearl**. Large-flowering white. Seeds, 15c per pkt.
- 8115 **Mixed**. The above colors. Seeds, 10c per pkt. Plants, any of above, 3 for 85c; doz., \$2.50; 100, \$15.00.

## LAVANDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

- 8116 **Vera** (True Lavender). June-August. Blue. 2 ft. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



LATHYRUS Latifolius (Perennial Pea)



# Vaughan's Perennial Flower Seeds and Plants

## LIATRIS (Kansas Gay Feather)

Liatis is rather an odd plant. It grows in long spikes 4 to 5 feet tall and densely covered with slender grass-like leaves of a light green. The small flowers are light rosy-purple; a peculiar habit of the Liatis is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest as in all other spike flowers.

—*Pycnostachya*. One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grass-like; excellent for masses in the border. 4 to 5 ft. July-August. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8118 *Spicata* (Button Snakeroot). Western and Southern States. Purple flowers on spike 6 to 15 in. long. 2 to 3 ft. July-September. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8119 *Scariosa*. Rare North American species. Crowded spikes of rosy purple flowers. **Seeds, 15c per pkt.**

## LILIUM REGALE

8117 *The Regal Lily*. It is absolutely hardy, and is excellent for forcing. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy, oppressive odor of most lilies. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Lift the bulbets in fall and replant to greater depth in their permanent location. **Pkt. (100 seeds), 25c. For bulbs see bulb pages.**

## LINARIA (Toad Flax)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8120 + *Cymbalaria* (Kenilworth Ivy). 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. **Seeds, 10c per pkt.**

8121 *Dalmatica Macedonica*. The dainty flowers resemble those of snapdragon bright yellow with orange lip. **Seeds, 25c per pkt.**

## LINUM (Flax)

Flax is a lovely, airy plant with flowers of yellow, blue and white. The general height is from 12 to 18 inches. The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. The flowers are borne in great numbers all during the blooming season which lasts from May through September. They have the capricious habit of blooming every other day.

8124 *Narbonnense*. Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. **Seeds, 25c per pkt.**

8125 *Perenne Blue*. May-August. 2 ft. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheet over the plant. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8130 *Perenne Album*. Milk-white flowers. **Seeds, 10c per pkt.**

8135 *Mixed*. **Seeds, 10c per pkt.**

8140 *Flavum*. 1-2 ft. Produces masses of golden yellow flowers from June until September. **Seeds, 10c per pkt.**



LUPINUS Polyphyllus

## LOBELIA

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam. Season August till late September.

8145 *Cardinalis* (Cardinal Flower). 2 ft. July-October. Tufts of bronzy green foliage from which arise spikes of brilliant fiery scarlet flowers. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8146 *Syphilitica*. (Great Blue Lobelia.) 3 ft. August-September. A native wild flower. Fine spikes of blue flowers streaked in white. **Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

## LUNARIA

8150 *Annua* (Biennis) (Honesty or St. Peter's Penny). Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. **Seeds, 10c per pkt.**

8155 *Alba*. Pure white. **Seeds, 10c per pkt.**

## LUPINUS (Polyphyllus)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. Do not disturb plants after they are once established. June-September.

8170 *Albus*. Large, pure white spikes. 2-3 ft. **Seeds, 10c per pkt.**

8165 *Blue*. 3 ft. Stately spikes of blue. **Seeds, 10c per pkt.**

8171 *Golden Spire*. Golden yellow and purple flowers. **Seeds, 25c per pkt.**

8176 *Lavender Queen*. Lavender tinted pink blossoms. **Seeds, 25c per pkt.**

8172 *Moerheimi*. 2-3 ft. Beautiful soft pink. **Seeds, 15c per pkt.**

8177 *Princess Juliana*. Lovely pink blooms. **Seeds, 25c per pkt.**

8175 *Roseus*. 4 ft. Light and dark rose flowers on long stem. **Seeds, 15c per pkt.**

8178 *Sunshine*. A beautiful variety producing bold spikes of clear yellow. **Seeds, 25c per pkt.**

8174 *Downer's Hybrids*. Perpetual flowering new hybrids. **Seeds, 25c per pkt.**

8173 *Harkness' Regal Mixture*. A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. **Seeds, 25c per pkt.**

8180 *Mixed*. Splendid value. **Seeds, 10c per pkt. Plants, any of above Lupinus strong 1 year roots 3 for 85c; doz., \$2.50; 100, \$15.00.**

## LYCHNIS

A fine old-fashioned flower, bearing large heads of brilliantly colored flowers, that live up the border during Summer and early Autumn.

8200 + *Alpina*. 4 in. April. Close tufts olive green foliage. Clusters of rose-colored flowers. **Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8189 *Arkwrightii*. A cross between Chalcedonica and Haageana. 2 to 3 ft. May. An abundance of large flowers in brilliant colors, varying from orange scarlet to soft salmon pink. **Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8190 *Chalcedonica* (Jerusalem Cross). 3 ft. June-August. Burning Star. Flowers which are of the most fiery red imaginable appear in clusters, each individual blossom forming a maltese cross. Will bloom from seed the first year. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8195 *Chalcedonica Alba*. White. **Seeds, 10c per pkt.**

8201 *Flos-Cuculi* (Ragged Robin). 1-2 ft. May-August. Very pretty rose-pink flowers. **Seeds, 10c per pkt.**

8205 *Fulgens*. 1-1½ ft. Bright scarlet. **Seeds, 15c per pkt.**

8210 + *Haageana Hybrids*. 1 ft. June-July. Mixed, ranging from nearly white to bright scarlet. **Seeds, 10c per pkt.**

8215 + *Viscaria Splendens*. 1½ ft. Makes large clumps of almost evergreen foliage. Its flowers are bright rose; useful for cut flowers. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

## LYSIMACHIA

+ *Nummularia* (Moneywort). Creeping Jenny an exceptionally good, nearly evergreen, ground cover for the rock garden. In the spring it is covered with bright yellow flowers which continue at intervals all summer. The foliage is a bright, shiny, light green that is attractive the entire year. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

## LYTHRUM

8220 *Roseum Superbum*. 4 ft. July-September. A native perennial, good for massing. Flowers rosy lilac produced on long slender spikes. **Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**



LYCHNIS Chalcedonica

## MALVA

Free-flowering and showy perennials, suitable for sunny borders or the wild garden. The flowers are large, attractive, and borne in terminal clusters, and the leaves are lobed or cut. Belong to the Mallow order.

8221 *Moschata* (Musk Mallow). 2 ft. Satiny pink flowers. June to September. **Seeds, 15c per pkt.**

## MATRICARIA

—*Capensis Fl. Pl.* The hardy white Feverfew. Marguerite-like foliage with clusters of double pompon-flowers from June to October. One of the best all-season cut-flowers. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

## MAZUS

+ *Reptans*. 4 inch. One of the finest and most interesting ground covers for the rock garden. During the spring it is covered with orange throated lilac flowers that resemble a tiny hand. An excellent plant for shady places. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

## MECONOPSIS

8222 *Baileyi*. The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendulous flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. **Seeds, 50c per pkt.**

## MERTENSIA (Blue Bells or Virginia)

### Cowslip)

1 to 2 ft. Soft, light green stems and foliage. The flowers are reddish purple when in bud but, as the flowers open, they change to a lovely gentian-blue. They hang in drooping, nodding, graceful clusters and individual flowers are funnel-shaped. Blooms early. Moist soil in shady location.

—*Virginica*. May-June. Light blue. 18 in. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

MICHAELMAS DAISY—See Aster.

## MINT (Mentha)

—Old-fashioned hardy, useful plant. 4 in. pots. **Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.**

## MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—*Didyma*. June-September. Brilliant scarlet. 3 ft. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

8226 *Hybrida*. Mixed seeds, 15c per pkt.

—*Fistulosa*. 3 ft. July. Purple flowers. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

—*Fistulosa Alba*. White form of above. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**

—*Rosea*. 3 ft. Bright rose-pink. **Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.**



# Vaughan's Perennial Flower Seeds and Plants



**MYOSOTIS Ruth Fisher**

## MYOSOTIS (Forget-Me-Not) 4 to 9 In.

The true Forget-Me-Not—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot-bed or cold frame accommodations for wintering the yearling plants.

**8230 Dissitiflora.** Rich blue, early and compact. One of the best. Seeds, 10c per pkt.

**8235 Palustris.** The true Swamp Forget-Me-Not. Seeds, 20c per pkt.

**8240 Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8245 Vaughan's Early and Late-Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Plants may be in bloom at any time of the year. Seeds, 10c per pkt.

**8249 Isalde Krotz.** Plant of compact habit, robust growth, flowers large true forget-me-not blue. Splendid for pots and spring bedding. Seeds, 25c per pkt.

**8250 Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. Seeds, 25c per pkt.

**8251 Blue Bird.** A beautiful winter-flowering Forget-Me-Not. An English specialist selection from the Oblongata class. The only Myosotis which has received an award of the British Royal Horticultural Society in many years. Seeds, 25c per pkt.

MYOSOTIS For other varieties see page 62.

## NEPETA (Mauve Catnip)

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

**8254 +Mussini.** May-September. Light blue. 1 ft. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

**8255 Fraseri.** Rich golden yellow. Glaucous foliage. 2-3 ft. Seeds, 10c per pkt.

**8260 Lamarckiana.** 2 ft. Large flowered, yellow. Seeds, 10c per pkt.

**8261 +Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with large yellow flowers followed by large winged seed. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8265 Youngii.** Deep golden yellow flowers with reddish stems. 1-3 ft. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## PACHYSANDRA

Small whitish flowers in May, which are insignificant, deep green, evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.

+**Terminalis.** May. White. 4 to 6 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## PAPAVER (Poppy)

**8269 +Alpine Mixed.** 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rockwork. Seeds, 35c per pkt.

**8295 Bracteatum.** 3 ft. Scarlet. Seeds, 10c per pkt.

### Nudicaule (Iceland Poppy)

The plant is of neat habit, forming a tuft of bright green, fern-like foliage from which spring throughout the entire season a profusion of slender, leafless stems, 1 foot high, each graced with charming cup-shaped flowers.

**8275 +Yellow.**

**8280 +Orange.**

**8285 +White.**

**8270 +Mixed.**

Each of above four Nudicaule varieties seeds, 10c per pkt.

**8289 Coonara Pink.** A charming warm rose-pink, faintly suffused with salmon-pink combining the pink and salmon shadings in wonderful delicacy. The plants are more vigorous than is usual in Iceland Poppies, and the flowers are much more freely produced on long, slender stems throughout the season. They will keep well if cut in bud and the end of stems seared for a moment. If sown in the hotbed in March or April, plants will bloom the same year. Seeds, 35c per pkt.

**8288 +Gibson's New Giant Orange.** Seeds, 20c per pkt.

**8290 +Double Mixed.** Extra fine strain. Seeds, 15c per pkt.

**8286 +Sunbeams.** This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. Seeds, 25c per pkt.

### Oriental (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among shrubby plants. They produce magnificent effect in shrubberies and herbaceous borders. 3 ft. May-June.

**8300 Annual Oriental.** A new strain of the Oriental Poppy, which will bloom the first year, if sown early. Seeds, 25c per pkt.

**8310 Oriental Red.** Very striking color. Seeds, 10c per pkt.

**8315 Oriental Hybrids, Mixed.** Seeds, 10c per pkt.

**8307 Beauty of Livermore.** Immense flowers, blood-crimson in color, extra fine. Seeds, 15c per pkt.

**8306 Perry's White.** Large, handsome, satiny white flowers with purple-black blotch at base of each petal, 2½ ft. Seeds, 25c per pkt.

—**Mrs. Perry.** Delicate salmon-rose, with black blotches. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—**Royal Scarlet.** Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8305 Princess Victoria Louise.** Large flower, soft lilac-rose color. Seeds, 15c per pkt.

## PENTSTEMON (Beard Tongue)

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats from whence the name "Beard Tongue" comes.

**8316 Barbatus Torreyi (Chelone Barbata).** July-August. Coral red. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8318 Grandiflorus.** 2 to 3 ft. While this is a fairly common native plant in some sections and by no means new to cultivation, it seems so attractive that it deserve to be featured. The long spikes of dainty lavender-blue are unlike anything else in the garden. The flowers are at their best in late May and June. Beautiful and lasting as a cut flower. It likes an open, sunny place and seems to do well on clay or lighter soil. Seeds, pkt., 35c.

**8317 Coccineus.** Scarlet. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8325 Pubescens.** Rosy purple. 2 ft. Seeds, 10c per pkt.

—**Lyoni.** Pink turtle head 2 to 4 ft. high with dark glossy foliage. Purple red flowers, spikes are borne profusely during August and September. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8330 Large Flowering Newest Hybrids.** Splendid assortment of colors. Seeds, 15c per pkt.

**8335 Digitalis.** 2 ft. June-July. White, flowers with purple throat. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8337 Southgate Gem.** Long graceful stems carrying numerous rich poppy-red flowers, showing pure white throats. Seeds, 25c per pkt.



**ICELAND POPPY**

## PENTSTEMON (Beard Tongue)—Continued

**8338 Hybrida Graziella.** Free blooming and graceful small flowers in a great many new colors. Seeds, 35c per pkt.

For other seeds see page 67.

## PEONY

**8339 Chinensis Double Mixed.** Seed saved from our own collection at our nursery. Seed germinates very slowly. Keep seed bed undisturbed. Seeds, 15c per pkt. Plants, see page 89.

## PHLOX (Hardy)

**8340 Decussata.** 2-3 ft. June-October. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Seeds, 15c per pkt. Plants, see page 89.

## PHYSALIS

**8345 Franchetti (Chinese Lantern Plant).** 1½ ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

PHYSOSTEGIA—See page 76

## PLATYCODON (Chinese Bell Flower or

### Balloon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to September.

**8360 Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8365 Grandiflorum Album.** White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8370 +Mariesii Blue.** 1 ft. Deep blue flowers, dwarf. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8375 +Mariesii Alba.** White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## POLEMONIUM (Jacob's Ladder)

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border.

**8380 Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Seeds, 10c per pkt.

**8385 —Album.** Pure white. Seeds, 10c per pkt.

**8386 —Prima Donna.** Dwarf plant with delicate light blue flowers, 18 inches. Seeds, 20c per pkt.

+**Reptans.** 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**8388 Richardsoni.** 18 in. Really a variety of pumila, has large sky-blue flowers with a yellow eye. Flowers May to September. Seeds, Pkt. 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



# Vaughan's Perennial Flower Seeds and Plants



PRIMULA Veris

## POTENTILLA (Cinquefoil)

Potentillas greatly resemble the Strawberry plant, especially in the manner of growth and the foliage. This is a trailing plant which covers the ground rapidly and sends out roots as it goes along. The flowers are very showy, the colors are very bright.

8390 *Formosa*. Cherry rose-colored flowers in summer. 1-2 ft. Seeds, 10c per pkt.

8392 *Nepalensis* (Miss Willmott). Flowers salmon-pink very freely produced. Seeds, 25c per pkt.

8395 *Single Mixed*. All colors. Seeds, 10c per pkt.

8400 *Double Mixed*. All colors. Seeds, 20c per pkt.

8401 *Rupestris*. 20 in. Flowers white in June. Seeds, 15c per pkt.

All *Potentilla* plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

POPPY—See Papaver

## PRIMULA (Primrose)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

8402+*Acaulis* (*Vulgaris*) (*Common Primrose*). Flowers bright yellow; fragrant. Seeds, 10c per pkt.

8403+*Auricula*. 6 in. Flowers in early spring in colors of yellow, brown and red. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8404 *Beesiana*. 18 in. Chinese species has woolly leaves with brilliant velvety purple flowers with a large yellow eye. Borne in whorls in April and May. Seeds, 35c per pkt.

8405+*Bullisiana* *Hybrida*. New hybrids of rose, orange, carmine, light and dark blue. Seeds, 50c per pkt.

8406+*Floribunda* *Grandiflora*. A large flowered yellow variety that does well in winter in pots. Seeds, 35c per pkt.

8408+*Japonica* *Mixed*. One of the most stately and attractive species. Several superimposed whorls of flowers on stems. 8-24 in. high. June. Seeds, 15c per pkt.

8410+*Japonica*. Mrs. Scott Elliott's Special Strain. A very fine selection made by Mrs. Elliott. Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. Seeds from the originator. Seeds, 25c per pkt.

8412+*Officinalis*. The common yellow cowslip. Seeds, 15c per pkt.

8413+*Pulverulenta*. 18 in. Large flowers. Seeds, 35c per pkt.

8414+*Rosea* *Grandiflora*. Rose carmine. 8 in. May-June. Seeds, 35c per pkt.

8415+*Veris*, *Mixed*. The Oxlip, bearing bright yellow flowers in umbels. 6-9 in. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, for \$15.00.

8416+*Grandiflora*, *Mixed*. An extra choice large flowered mixed strain. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8417+*Munstead* *Strain*. A giant polyanthus in many charming shades. Seeds, 35c per pkt.

8418+*Lutea*. Yellow. Seeds, 25c per pkt.

PYRETHRUM—See page 76.

## PUERARIA (Kudzu Vine)

8425 *Thunbergiana* (*Jack-and-the-Bean-Stalk*). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Seeds, 10c per pkt. For roots see hardy Vine page 106.

## RANUNCULUS (Buttercup)

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

8446+*Asiaticus*. Flowers in May, variable in color, generally double in form, will bloom from seed the first year if sown early. 6-12 in. Seeds, 15c per pkt.

—*Acris* fl. pl. (*Double Buttercup*). May-June. Yellow. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## ROMNEYA

8445 *Coulteri* (*California Tree Poppy*). 5 ft. An exceedingly beautiful, sub-shrubby, Californian perennial, with glaucous, pinnatifid leaves, woody stems and large, satiny, white fragrant, Poppy-like flowers. The flowers often measure 6 in. in diameter, and the numerous golden stamens which fill the centres add materially to their beauty. Seeds, 15c per pkt.

## RUDBECKIA (Cone Flower)

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

8450 *Fulgida*. Yellow. 1-2 ft. Seeds, 10c per pkt.

8455 *Hirta*. (*Black-Eyed Susan*). 1-3 ft. Seeds, 10c per pkt.

8460 *Speciosa* (*Newmanii*). 3 ft. Rich golden yellow with central black disc. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Purpurea* *Grandiflora*. See *Echinacea Purpurea*.

—*Laciniata* fl. pl. (*Golden Glow*). July-October. Yellow. 5 to 7 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Laciniata* *Compacta*. 2 to 3 ft. July-October. Yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## SALVIA

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and very attractive during the summer months. Belonging to the Sage order.

8470 *Argentea*. 3 ft. June. Silvery white foliage, pyramids of yellow flowers. Seeds, 10c per pkt.

8475 *Azurea* *Grandiflora*. 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100 for \$15.00.

8476 *Nutans*. 3 ft. A perennial blue salvia. Seeds, 15c per pkt.

8477 *Pratensis*. 2 ft. A dark blue perennial variety. Seeds, 15c per pkt.

8478 *Verbascifolia* *Syria*. 5 ft. Makes a bold clump of foliage, the oval leaves fully one foot in length and half as broad, being dull olive-green above, deeply netted and covered on the under side with creamy white felt. Flower spikes 18 in. tall. Flowers dark blue, hairy within and without. Seeds, 25c per pkt.

8480 *Patens*. 2 ft. Large, rich deep blue flowers. A most unusual color. Roots should be dug and wintered in cold cellar. September. Seeds, 25c per pkt.

—*Pitcheri* (*Meadow Sage*). September-October. Deep blue. 3½ ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

—*Officinalis* (*Common Sage*). White-woolly. 6-12 in. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

## SAPONARIA

8485+*Ocymoides* *Splendens*. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## SAXIFRAGA (Megasea)

The Saxifrages are one of the largest and one of the most important genus of plants, connected with Alpine gardening.

—*Cordifolia*. Light pink. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8487+*Cordifolia* *Splendens*. 2 ft. Useful little plant for rock gardens. Bright rose-pink. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8488+*Lingulata* *Leichtlini*. 30 inches. Bright red rock garden subject. Seeds, 50c per pkt.

8486+*Decipiens* *Grandiflora*. Masses of white flowers. 18 in. Seeds, 35c per pkt.

8489+*Rhei* *superba*. Rose. 12 in. May-July. Seeds, 35c per pkt.

## SCABIOSA (Pincushion)

To those persons who are familiar with the annual sorts of *Scabiosa*, we need only say the perennials resemble the annuals except that the perennials have shorter florets at the center, while in the annual sorts the flowers are made up of florets of more uniform length.

8490 *Caucasica* *Perfecta*. Light blue flowers prettily fringed on long stem; fine for cutting. 18 in. June-October. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



PLATYCODON

## SCABIOSA—Continued

8491 *Caucasica* *Alba*. White. Seeds, 25c per pkt.

8492 *House's New Giant Hybrids*. A very beautiful new strain of this handsome border plant, flowers very large and of beautiful form ranging in color from light azure-blue and lavender to deep blue and silvery white. Seeds, 25c per pkt.

8495 *Japonica*. 2 ft. Lavender-blue flowers. September to frost. Seeds, 10c per pkt.

## SEDUM

Fine plants for rock-gardens. A genus of plants with more or less fleshy leaves belonging to the Houseleek order. The species vary in habit from dwarf, creeping plants to those of larger growth, as the Spectabile, grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth. The dwarf kinds do well as edgings to borders and the others are suitable for grouping in the mixed border. They are the easiest of all plants to grow.

+*Acre* (*Golden Moss*). 3 in. This low tufted perennial spreads over the soil. The leaves are small, attractive, light green. The flowers, bright yellow in color, completely cover the plants and open in June and July. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

+*Brilliant*. June-July. Scarlet. 12 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

+*Rubrum*. June-August. Brilliant red. 18 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

+*Sexangulare* (*Hexagon Stone Crop*). An improved *Acre*. Very dark green foliage, dense and prolific. Bright yellow flowers produced in profusion during May and June. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

+*Sieboldii*. Round succulent, glaucous foliage; bright pink flowers in August and September. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

+*Stoloniferum* (*Coccineum*). Very attractive trailing and semi-erect. Bronze-red foliage with purple-pink flowers during July and August. Plants 3 for \$1.00; doz., \$3.50; 100, \$20.00.

+*Spectabile*. 18 in. One of the prettiest erect-growing species, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

SEMPERVIRENS (*Hen and Chickens*)

+*Tectorium*. Broad rosettes of cactus-like leaves about 3 inches tall bearing graceful spikes of small dark pink bell flowers. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## SIDALCEA

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes. Suitable for sunny borders. The genus belongs to the Mallow order.

8496 *Rose Queen*. 2-3 ft. July-August. Beautiful rose-pink flowers. Very distinct. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8497 *Rosy Gem*. 4 ft. Produces numerous flower spikes of pretty clear rose shade. Seeds, 25c per pkt.

8498 *New Hybrids*. Flowers in many shades from blush pink to crimson. Seeds, 25c per pkt.



# Vaughan's Perennials Flower Seeds and Plants



**MERTENSIA** *virginica*

## **SILENE** (*Catchfly*)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all Summer and are very desirable additions to the rockery.

8500+*Orientalis*. 8 in. Tall, robust-growing biennial of neat habit; plants freely branched from the base, each branch carrying a large globular head of bright rose flowers, which are clove-scented. Useful for cutting and showy in herbaceous borders. Seeds, 10c per pkt.

8505+*Schafta*. 4 in. July-October. Bright rose; one of the best Autumn border plants. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **SOLIDAGO** (*Golden Rod*)

Hardy, free flowering, and showy perennials, suitable for ordinary borders, naturalizing in the wild or woodland garden, or by the waterside. All yellow-flowered borne in terminal, arching racemes. Native of N. America, and members of the Daisy order.

8510 *Canadensis*. 3-5 ft. August-November. Gracefully arched sprays of golden yellow flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8511+*Virgo-aurea Alpestris*. Yellow. 10 in. Spring. Seeds, 15c per pkt.

## **SPIRAEA** (*Meadow Sweet*) (See *Filipendula Hexapetala*)

## **STACHYS** (*Lamb's Ears*)

8515 *Lanata*. 1-1½ ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. Seeds, 10c per pkt.

## **SPERGULA**

8512+*Pilifera*. 4 inches. A hardy evergreen suitable for grass edging or rockwork. Seeds, 35c per pkt.

## **STATICE** (*Sea Lavender*)

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter use. They belong to the Throat order.

8516 *Caspia*. The multitude of small flowers composed in spikes of a height of 2 to 3 ft. are of a tender lilac color. Seeds, 15c per pkt.

8520 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$18.00.

8517 *Perezii*. Rich bright blue. Seeds, pkt. 25c.

8518 *Tatarica*. White, useful for dyeing. Seeds, pkt. 25c.

## **STOKESIA** (*Stokes Aster*)

Very handsome perennials with flowers that appear to be a cross between a china aster and a giant cornflower.

8525 *Cyanea*. 18 in. July-October. Flowers rich blue, very distinct. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8535 *Cyanea*, Mixed Colors. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**SWEET WILLIAM**—See *Dianthus Barbatus*  
See Colored Section

## **TARRAGON**

—*True*. Used for cooking purposes. Large clumps. (This variety does not produce seed.) Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **THALICTRUM** (*Meadow Rue*)

The foliage is very finely divided like that of the Maiden-hair fern or Columbine and is useful in making bouquets. The flowers are borne in feathery clusters. Easy of cultivation. Belong to the Buttercup order.

8540+*Adiantifolium*. 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8541 *Aquilegifolium*. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8545+*Dipterocarpum*. 4 to 5 ft. August-September. Very graceful plumes of rosy purple flowers with conspicuous yellow anthers. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8546 *Flavum*. Common yellow variety. 2-4 ft. Flowers in June. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8547 *Glaucum*. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## **TRADESCANTIA**

—*Virginiana*. (Spiderwort.) Long grass-like leaves and blue or violet flowers. 2 ft. May-August. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **TRILLIUM** (*Wake Robin*)

One of the most beautiful of our native spring-flowering perennials with tuberous root stocks, and furnished with three leaves borne in a whorl, and flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. Flowers are pure white.

—*Grandiflorum*. May-June. White. 12 in. Plants, 3 for 65c; doz., \$1.50; 100, \$8.00.

## **TRITOMA** (*Kniphofia*) (*Torch Lily*, *Flame Flower*, *Red-Hot Poker*)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8557 *Express*. An early-flowering yellow with a red bud. Seeds, 25c per pkt.

—*Grandis* (*Pfitzeri*). Orange-scarlet. 2-3 ft. August-September. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8556 *Hybrida Early-Flowering Mixed*. These hybrids will contain many interesting colors and all will flower early. Seeds, 25c per pkt.

—*Royal Standard*. New flame-red. The largest and most showy having enormous spikes carried well above the reed-like foliage. Plants, \$1.00 each.

8558 *Tuckii*. Sometimes called May Queen. Flowers dark rose and creamy yellow. Seeds, 25c per pkt.

8555 *Uvaria Grandiflora*. 4 ft. August-November. The ordinary red Tritoma. Seeds, 15c per pkt.

## **TROLLIUS** (*Globe Flower*)

Desirable free flowering plants, producing their giant buttercup-like blossoms on stems 1-2 feet high, from May until August; succeed admirably in the border in a half-shady position in well-drained, preferably light soil.

8554 *Europaeus Ledebouri*. Large orange-yellow flowers. Blooms until end of June. Seeds, 25c per pkt. Plants 3 for \$1.40; doz., \$4.50.

## **TUNICA**

8559+*Saxifraga*. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **VALERIANA** (*Garden Heliotrope*)

—*Officinalis*. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. 3 to 4 ft. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8560 *Var. Rubra*. 2 ft. Sweet-scented red flowers. Seeds, 10c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8565 *Var. Alba*. Pure white fragrant flowers. Flowers in June and is one of the most charming perennials. Seeds, 10c per pkt.

## **VERBASCUM**

8568 *Hybridum*, *Miss Willmott*. Hardy biennial. The large flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. A lovely white variety. Seeds, 15c per pkt.

## **VINCA**

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees.

+*Minor* (*Grave Myrtle*). 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



**YUCCA** *Filamentosa*

## **VERONICA** (*Speedwell*)

Hardy, herbaceous perennials belonging to the Fox-glove order. They vary in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes. Showy plants for sunny borders, and all of easy culture.

8570 *Spicata*. Blue. 2 ft. July-August. Small spikes of rich blue flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Spicata Alba*. June-July. White. 18 in. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8575 *Perennial Varieties, Mixed*. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Armethystina*. June-July. Blue. 2 ft. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8576 *Longifolia*. Spikes of light blue flowers, glaucous blue foliage. 2½ ft. July-September. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8577+*Incana*. Ageratum-blue flowers, gray foliage. 12 in., summer. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8578+*Prostrata Mixed*. Blue and white. Trailing. June-July. Seeds, 25c per pkt.

+*Rupestris*. Dwarf and spreading. Deep blue flowers. May-June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **VIOLA** (*Violet*)

8581+*Bosniaca*. Free blooming, small deep purple flowers. Seeds, 25c per pkt.

8584+*Gracilis Lord Nelson*. Glowing violet purple. 6 in. April-August. Seeds, 35c per pkt.

8580+*Single*. Deep blue, common single violet. Seeds, 10c per pkt.

## **VIOLA CORNUTA**

For seeds see page 73.

—*Admiration*. Light blue. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Black Prince*. Dark velvety blue. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Yellow*. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Jersey Gem*. Short, bushy growth blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Lutea Splendens*. Rich golden yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Mauve Queen*. Beautiful Mauve color. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*Papilio*. Pale blue, very pretty. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*White Perfection*. One of the finest whites. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## **YUCCA** (*Adam's Needle*)

8585 *Filamentosa*. 5-6 ft. or more. June-July. Handsome creamy white flowers, much branched and densely packed with bloom, with sword-like foliage. Seeds, 10c per pkt.

—*2-Year*. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—*3-Year*. Plants, 3 for \$1.25; doz., \$4.00.



# Garden Chrysanthemums



LARGE-FLOWERING OUTDOOR TYPE

## LARGE-FLOWERED

### Outdoor Type

Chrysanthemums that would flower successfully in the open garden have been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 feet high, thriving in any good garden soil.

Price, each, 25c; prepaid, doz., \$2.00; per 100, \$10.00 (by exp.).

**A. BARHAM.** A beautiful orange-bronze; the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

**CARRIE.** Flowering the end of August. Yellow and in cluster form.

**CRANFORDIA.** Color deep bronzy yellow. In this variety we have an early-flowering 'Mum' that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully finished blooms.

**CHRYSANTHEMUMS** fill an important place in the garden program. They blossom in the late fall, after most of the other flowers have gone and upon them we must depend for the final weeks of the garden season. We offer those varieties that have proven the best.

They are easily grown and the hardy types can be carried over even in severe winters, if they are given protection. None should be grown in sections where zero temperature is frequent, unless they are protected through the winter. A heavy mulch of leaves is the best protection, put on after the ground is frozen; as otherwise rodents are likely to cause damage.

It is possible for excellent specimens of the indoor types to be grown by the amateur. They blossom before severe weather arrives and a sun-porch usually gives sufficient protection. Write for our list of suitable varieties.

### Large-Flowered Outdoor Type—Continued

**CHALDON.** Reddish crimson with gold tips. Large flower.

**CRANFORDIA PINK.** Beautiful shade of rose-pink. Growth and habit same as Cranfordia.

**CRANFORDIA WHITE.** Creamy white; very desirable variety; free-flowering.

**EDEN.** Bright rose. A beauty when disbudded.

**FIREFLY.** A reddish bronze; flowers very early and continues until late frosts arrive.

**G. GRUNNERWALD.** A very fine variety of the Japanese section. The flowers average 5 inches; color, light pink.

**HARDY PINK.** This is one of the hardiest varieties we know of. Flowers are a deep rose-pink of medium size; very free-flowering.

**LE PACTOLE.** Bronzy yellow, large flower; heavy foliage and strong grower. Disbudd slightly.

**MAY ELLEN.** Cerise-pink with yellow anemone center. Flowers September 15.

**PINK BARHAM.** Light rose pink, creamy center.

**PINK HARBINGER.** Rose-pink. Large flower.

**WOLVERINE.** Very early, flowering outdoors with Normandie and Carrie in this locality about August 20. A seedling from Normandie, but much heavier and stronger stem. Produces large sprays; color, bright yellow.

**SPECIAL OFFER No. 88.** Set of above 15 Large-Flowered (Outdoor Type) plants for \$2.40, prepaid.

All Collections of Chrysanthemum Plants and those ordered at single plant rate go prepaid. Larger quantities by express at buyer's expense.

## SMALL-FLOWERED

### Outdoor Varieties

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters.

Price, each, 25c; prepaid, doz., \$2.00; 100, \$10.00 (by exp.).

**BIJOU ROSE.** Beautiful rose; free-flowering; dwarf growing.

**BOSTON.** Dwarf; golden bronze. Very free-flowering.

**CARPET OF SNOW.** White with cream center. Medium dwarf, very free-flowering and the best early white.

**CHARLOTTE.** Deep bronze. Date of maturity Oct. 5th.

**FRANCIS HUCKVALE.** White tinted pink cream center, early-flowering and very free-bloomer.

**HARVES HOME.** Deep bronzy yellow.

**IDOLF.** Early and prolific, usually blooming the first week of October. Color Salmon-pink.

**KATE MANNING.** Yellow bronze; very early.

**MISS SEELEY.** Light shell-pink with a cream center. Medium dwarf, very double, prolific, and the best of its color.

**MURILLO.** This variety has survived the past three winters without protection. While not as early as some it is the best shade of pink among the early hardies.

**WINNETKA.** Pure white; very free-flowering.

**YELLOW NORMANDIE.** A bronzy yellow sport from Normandie of beautiful color and very desirable where early flowers are required.

**ZODA.** Rose-pink; early.

**SPECIAL OFFER No. 88A.** The set of 13 Pompons for \$2.00 prepaid.

# Vaughan's Vigor Strawberry Plants

Our plants are grown under ideal conditions in Michigan. They have been developed from selected plants. We know you will be pleased. Varieties below are up to date.

Write for pamphlet on Strawberry Culture.

All varieties listed are perfect sorts, are self-pollinizing and will bear as well if set by themselves.

**AROMA.** Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name.

**DR. BURRELL.** Mid-season. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red. The meat is solid. If you are looking for a good dependable all-purpose variety you will make no mistake in planting Dr. Burrell. In manner of plant growth this variety closely resembles Senator Dunlap, but will produce more, bigger, and better berries and ripening as it does a few days earlier than Dunlap.

**COOPER.** Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one, but the greatest feature of all is that peculiar mild, delicious flavor not found in any other Strawberry. Due to the wonderful vigor of the plant this variety is adaptable to a wider range of soils and climate than any other variety. The foliage is immense. The big broad leaves often growing a foot high. Cooper is strongly staminate and can be grown alone and is an ideal mate of any of the pistillate or imperfect varieties due to the long blooming season.

**GIBSON.** Medium early. Berries are large and regular in shape holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive. In fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong, vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

**PREMIER.** Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resistor, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

**SENATOR DUNLAP.** Mid-season. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as with the veteran grower—but it should not be allowed to mat too thickly. For a medium sized productive early to mid-season berry you need not hesitate to plant Dunlap.

Price, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for \$1.75. Postpaid from 4th zone to 8th zone, 25 for 70c; 100 for \$2.00. By express, at buyer's expense, 100 for \$1.75; 500 for \$6.50; 1,000 for \$12.00. Write for prices on larger lots.

**SPECIAL OFFER No. 88B.** A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

### Three Leading Everbearing Varieties

**CHAMPION.** A strong, healthy, deep-rooted plant, very productive. Fruit similar to Dunlap in size, shape and color. A beautiful rich red color clear through, good quality and delicious flavor. In addition to the wonderful fall crop produced by the Champion they are the earliest to ripen in the spring.

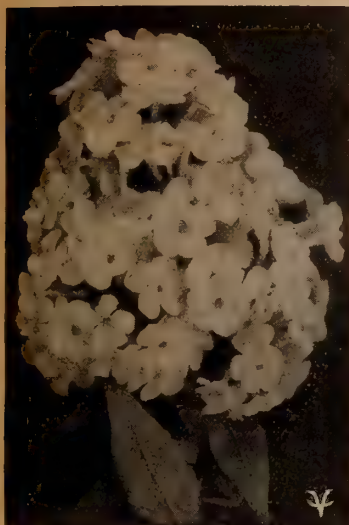
**PROGRESSIVE.** Has long been the leading everbearing variety. It now has to take second place as the new Champion is superior in every respect. The Progressive is a tall, healthy grower, deep-rooted and entirely free from fungus diseases. Very productive, berries medium size, good quality and delicious flavor.

Price of above two varieties, 25 for \$1.00, 50 for \$1.65, 100 for \$2.75, postpaid to 4th zone; 250 for \$5.00; 500 for \$8.00; 1000 for \$16.00 by express.

**MASTODON.** The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list. Unlike other everbearers, the plants of Mastodon are large, vigorous, heavily crowned and deep rooted.

Price, 25 for \$1.50, 50 for \$2.75, 100 for \$4.00, postpaid to 4th zone; 250 for \$8.00, 500 for \$15.00, 1000 for \$27.50, by express.





MISS LASSBERG



EUROPA



RIVERTON JEWEL



RHEINLANDER

## Vaughan's Hardy Phlox

(Phlox Decussata)

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July

to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected. Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

All Phlox supplied in one-year-old field roots except where noted.

**Antonin Mercie.** Very large lilac flower with a pure white center.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Baron Von Dedem.** Brilliant orange-scarlet with carmine eye. Immense trusses and individual flowers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Beacon.** A very fine brilliant bright cherry red.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**B. Comte.** Rich satiny amaranth flowers.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Bridesmaid.** Pure white with large crimson-carmine eye.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Champs Elysees.** Dark rose purple with very large trusses.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Eclairer.** Brilliant rosy carmine with large, lighter halo.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Elizabeth Campbell.** Light salmon-pink with lighter shadings and dark red eye; one of the handsomest and most attractive.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Enchantress.** An improved Elizabeth Campbell. Brighter, richer, salmon-pink. Stock limited.

3 for \$1.50; doz., \$5.00.

**Europa.** White, distinct carmine eye, large flower. A general favorite.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

**Ferdinand Cortez.** Deep rose-pink, shaded bronze towards center. Tall and vigorous.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Goliath.** Bright light purple with a red eye. Strong and vigorous.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Jules Sandeau.** Dwarf, very large-flowering; watermelon pink. One of the finest.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**La Vague.** Pure mauve with aniline-red eye.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Lord Raleigh.** The best dark lilac. Dwarf.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Miss Von Lassberg.** The purest snow-white in cultivation. Extra fine. Large open truss, ideal as cut flower.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Miss Lingard (Suffruticosa).** Pure white; the earliest of all. Blooms all summer; good for cut flowers.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Mrs. Chas. Dorr.** A tall, vigorous blue-mauve or lavender.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Mrs. Jenkins.** A very free-flowering early variety of medium height producing immense panicles of pure white flowers.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Mrs. Milly Von Hoboken.** Pure soft pink without eye, large flower on long erect stems.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Obergartner Wittig Midseason.** Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. Quite branching and very free-flowering. Medium height.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Pantheon.** Clear deep carmine-pink with a faint halo.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Prof. Virchow.** Bright carmine overlaid with vivid orange-scarlet.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Rheinlander.** A rare shade of salmon-pink intensified by a distinct claret-red eye. Flowers and truss of unusual size.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Rhynstrom.** Beautiful rosy pink color not unlike that of Paul Neyron rose. A good strong grower and very free-flowering.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Riverton Jewel.** A lovely mauve-rose illuminated by a brilliant carmine-red eye.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**R. P. Struthers.** Rosy carmine shaded orange-scarlet.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Salmon Queen.** A true, clear, salmon-pink of large size. One of the most vigorous and robust growers.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Siebold.** An improved Coquelicot; vivid orange-scarlet; somewhat brighter and a stronger grower.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Sir Edwin Landsier.** A good light red slightly tinged with rose.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Special French.** Beautiful blush pink with a salmon eye. Enormous flowers and trusses similar to Hydrangeas. Strong, tall grower. One of the very best.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Thor.** A lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. A splendid variety. Late with tall vigorous growth.

3 for \$1.25; doz., \$4.00; 100, \$25.00.

**Von Hochberg.** Brilliant blood-red. Large individual flowers.

3 for \$1.50; doz., \$5.00; 100, \$35.00.

**Wanadis.** Lilac with violet-red eye.

3 for 85c; doz., \$2.50; 100, \$20.00.

**W. C. Egan.** Delicate lilac-pink with solferino eye; fine. Large florets.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Widar.** Violet-blue with a pure white eye. Fine large flowers. Rather dwarf.

3 for \$1.00; doz., \$3.50; 100, \$20.00.

**MIXED.** 1 year field-grown plants of a choice mixture of colors. 3 for 65c; doz., \$1.50; 100, \$10.00.

Named varieties. Our selection.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Special Offer:** No. 89. One each of 10 varieties, our selection. All distinctly labeled for \$3.00, prepaid.

**Special Offer:** No. 89A. One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.75, postpaid.

**Special Offer:** No. 89B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.50, postpaid.

### Dwarf and Alpine Phlox

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves and are quite distinct from other Phlox. Splendid rock garden plants.

—**Divaricata Canadensis.** One of our native species which is worthy of extensive planting, commencing to bloom early in April and continuing through May with large fragrant lavender flowers on stems 10 inches high. Prefer shade.

3 for 85c; doz., \$2.50; 100, \$15.00.

**Divaricata Schneekuppe.** Same as above variety except color which is a pure white about 10 to 12 inches high, early flowering.

3 for 85c; doz., \$2.50; 100, \$15.00.

—**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.

3 for 85c; doz., \$2.50; 100, \$15.00.

—**Subulata Rosea.** Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for 85c; doz., \$2.50; 100, \$15.00.

## Peonies

Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient.

3-5 eye divisions.

### Pink Varieties

**Marguerite Gerard,** \$1.00 each.

**Mons. Jules Elie,** \$1.25 each.

**President Taft,** \$1.50 each.

### White Varieties

**Duchess De Nemours,** 75c each.

**Festiva Maxima,** 75c each.

**La Tulipe,** 75c each.

**Baroness Schroeder,** \$1.25 each.

### Red Varieties

**Delachei,** 75c each.

**Felix Crousse,** \$1.00 each.

**Karl Rosenfield,** \$1.00 each.

**Louis van Houtte,** 60c each.

**Officinalis Rubra Plena,** \$1.00 each.

**Named Sorts.**—Our selection, White, Pink, or Red, divided roots, each, 75c; 3 for \$2.10; medium size root, White, Pink or Red, each, \$1.00.

If to be sent by mail, add 5c per root for the divisions and 12c for the medium size plants.

### Un-named Sorts

**Double White.** Divided roots. Each, 50c.

**Double Pink.** Divided roots. Each, 50c.

**Double Red.** Divided roots. Each, 60c.



# Vaughan's Irises

Flag Iris or Fleur de Lis



AMBASSADEUR



DOMINION

**PLANTS BY PARCEL POST**—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

**PLANTS BY EXPRESS**—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Irises are the most effective if planted 3 of a kind in a clump.

## Relative Prices are as Follows:

All 25c varieties supplied 3 for 50c.

Write for special prices on larger quantities.

- 8.3 **Afterglow.** Large flowers of soft grayish lavender shading to rich yellow through the center. A thrifty, tall grower and free bloomer. Each, 50c; 3 for \$1.00.
- 8.6 **Alcazar.** "S" light bluish violet; "F" rich velvety crimson-purple. A very handsome Iris of good growth, producing tall, strong, widely branched flower stalks. The flowers are large and of good texture. Similar to Lent A. Williamson. Each, 35c; 3 for 75c.
- 9.2 **Ambassadeur.** 40 inches. "S" smoky bronze; "F" dark velvety maroon. A strong grower, carrying its large flowers well disposed on its stalks; petals of great substance. Vil-morin's finest seedling. Late. Each, \$1.00; 3 for \$2.00.
- 7.9 **Archeveque.** "S" deep velvety violet; "F" deep purple-violet; an exquisite Iris; a wonderful bloom of finest texture. Each, 35c; 3 for 75c.
- 8.1 **Ariadne.** A beautiful flower of good substance. "S" pure silvery light blue, with waved edges; "F" deeper blue with violet base. Strong grower and free flowering. Each, \$2.50.
- 9.2 **Asia.** 45 inches. "S" pale silvery lavender deepening at the base to golden yellow. "F" pale reddish purple, lighter at the edges. Base of standards are heavily reticulated, beard bright golden yellow. Stems strong and vigorous, bearing large flowers of unusual substance and form. Each, \$3.00.
- 9.0 **Ballerine.** 48 inches. "S" light violet-blue; "F" a deeper shade. Very fragrant. The large flowers, 5 inches in height, are borne on strong, tall and slender spikes, are waved at the edge. Similar to Lord of June, but superior to it on account of its better keeping qualities. Early. Each, \$1.00; 3 for \$2.50.
- 7.6 **Benbow.** 36 inches. "S" and "F" deep violet blue. Very large flowers; one of the best in the pallida group and the best of its color. Midseason. Each, 50c; 3 for \$1.25.
- 8.4 **B. Y. Morrison.** 33 inches. "S" pale lavender violet; "F" velvety purple with broad lavender border. Well shaped flower with fine horizontal falls. Each, \$1.00.
- 8.4 **Canopus.** 36 inches. A wonderful Dominion seedling. "S" reddish violet, broad and finely arching; "F" rich pansy violet. Large flowers of great substance and very free flowering. Each, \$2.00.

- 7.1 **Caprice.** "S" reddish purple; "F" deeper, self-colored. One of the best red Irises, very similar to Edouard Michel. Each, 25c.
- 7.9 **Cecil Minturn.** 24 inches. "S" and "F" a uniform soft shade of cattleya-rose. A beautiful flower, dome-shaped, with broad, ruffled petals. Each, 75c; 3 for \$1.50.
- 8.2 **Chasseur.** 36 inches. This is no doubt the finest yellow Iris of European origin. Very fine large flower of deep yellow, becoming lighter with age. Each, \$2.00.
- 8.0 **Cluny.** 38 inches. "S" pale lilac-blue; "F" slightly deeper with brown veinings at the base. Flowers of very large size, of fine form and well placed; a very desirable sort. Early. Each, 50c; 3 for \$1.00.
- 7.6 **Col. Candelot.** 36 inches. "S" smoky copper; "F" deep rich crimson. Flowers large and distinct in color. A vigorous grower and free flowering. Each, 50c; 3 for \$1.00.
- 8.2 **Corrida.** 36 inches. "S" and "F" aniline-blue, a little darker than Celeste. Flowers of medium size; very free flowering and late. Each, 50c.
- 8.5 **Crusader.** 42 inches. "S" light blue; "F" deep violet-blue. The flowers are very large, broad-petaled and of great substance; they are freely produced. One of the best clear blues. Midseason. Each, 75c; 3 for \$1.50.
- 7.6 **Dalila.** 24 inches. "S" pale flesh white; "F" rich red-purple with yellow beard. A fine variety. Each, 50c.
- 7.7 **Dejazet.** 24 inches. "S" bronze rose with golden sheen; "F" reddish violet, the whole beautifully blended. Large, broad flower. Midseason. Each, 50c; 3 for \$1.00; 10, \$3.00.
- 8.8 **Dominion.** A wonderful Iris in a category of its own, and the forerunner of a new race on account of the extraordinary development of the fall. "S" Dauphin's blue or light bluish violet, large, erectly held, well developed and slightly veined, "F" of exceptional substance expanding at the base to a deep rich indigo-purple velvet. Slight veining at throat; conspicuous orange beard; broad blue-green foliage. Each, \$7.50.
- 8.4 **Dream.** 36 inches. "S" and "F" soft clear pink. A beautiful Iris of pallida type. The large flowers are perfect in form and of great substance. Each, 75c; 3 for \$2.00.
- 7.8 **Edouard Michel.** "S" deep red violet; "F" a slightly deeper tone. Flowers large and of fine shape and substance. The "S" are broad and frilled, the "F" are broad and large. Each, 50c.
- 7.5 **Eldorado.** "S" bronze shaded yellow; "F" violet-purple touched at sides with bronze-yellow. A unique and brilliant color combination. Each, 35c; 3 for 70c.
- 8.1 **Empress of India.** "S" deep lavender; "F" light violet, lighter than standards. A beautiful novelty bearing large blooms on long elegant flower stems. Each, \$1.00; 3 for \$2.00.
- 8.0 **Flammenschwert.** "Flaming Sword." 30 inches. "S" bright clear yellow; "F" velvety brown with yellow border. Grows taller and has larger flowers than the Iris King. Each, \$1.00.
- 8.3 **George Yeld.** An outstanding variety with a new combination of colors. "S" bright apricot shaded rose; "F" brilliant rose-crimson, edged buff. Large flowers of very fine form. Each, \$3.00.

- 9.1 **Germaine Perthus.** 36 inches. An enormous, rich violet purple, self-lighted by a striking yellow beard. A descendant of Souv. de Mad. Gaudichau that has inherited all the good qualities of its parent, exceptional vigor, good habits, and great freedom of bloom. Flower has a wonderful velvety appearance and is deliciously scented. Each, \$10.00.
- 8.6 **Gold Imperial.** 33 inches. Chrome yellow throughout except for conspicuous orange beard. Medium-sized flowers of rare texture and form. A fine yellow Iris, deeper in color than Shekinah. Each, \$3.00.
- 7.8 **Grevin.** 26 inches. "S" violet shaded yellow; "F" wine-red. A strong grower with large, well formed flowers. Very attractive. Late. Each, 50c; 3 for \$1.00.
- 7.1 **Halfdan.** Creamy white. Large and of good substance. Each, 25c.
- 8.3 **Imperator.** 36 inches. "S" Clear violet tinted buff; "F" reddish violet; throat reticulated red-brown. A strong growing plant bearing its large flowers on strong stems; color similar to Seminole, but duller. Late. Each, \$1.50.
- 8.0 **Iris King.** "S" old gold; "F" rich crimson bordered with gold; a very desirable variety; tall, with large flowers. Each, 35c; 3 for 75c.
- 8.3 **Isoline.** "S" lilac-pink; "F" purplish old rose, with golden throat and yellow beard. One of the handsomest of the Iris family. Each, 50c.
- 7.3 **Jeanne d'Arc.** 30 inches. "S" and "F" white frilled with lilac-blue. A very dainty variety. Each, 25c.
- 7.8 **Juniata.** Clear blue, deeper than pallida Dalmatica. One of the tallest; flowers large and fragrant. Each, 35c; 3 for 70c.
- 8.0 **Lady Byng.** A beautiful Iris with flowers of exceptionally fine form and substance. The color throughout is a clear pale lavender with a slight suffusion of rose. Each, \$1.00.
- 7.8 **La Neige.** 24 inches. "S" and "F" pure glistening ivory white. The falls are carried stiffly horizontal, reminding one of a Japanese Iris. This is, in our judgment, the best of all whites. Each, 35c; 3 for 75c.
- 8.8 **Lent A. Williamson.** 42 inches. "S" lavender-violet; "F" velvety royal purple. The flowers are of gigantic size; it is a tall and luxuriant grower and the flowers are freely produced. Each, 50c; 3 for \$1.25.



## IRIS—Continued

- 8.8 **Leonato**. 48 inches. "S" pale lavender to silvery heliotrope; "F" slightly darker and widely expanded. Flowers fragrant, exceedingly large and shapely. Early flowering and very strong growing. An unusually fine Iris. Each, \$4.00.
- 8.6 **Leverrier**. 42 inches. "S" light purple; "F" rich velvety pansy-violet. A magnificent Iris of vigorous growth, producing its mammoth flowers on tall branching stems. Each, \$1.00.
- 7.6 **Lohengrin**. Large, handsome pink silvery mauve flowers. Each, 35c.
- 8.8 **Lord of June**. 40 inches. "S" floppy lavender-blue; "F" rich violet-blue. Flowers exceedingly large and handsome; very bold and vigorous habit. Each, 75c.
- 7.3 **Loreley**. "S" light yellow; "F" ultramarine, bordered cream. Very free blooming. Each, 25c.
- 8.7 **Magnifica**. 44 inches. "S" light purple on white; "F" dark reddish purple. A fine, strong plant with branching stems close to 4 feet tall. Flowers of heavy texture, measuring 6 inches high; stands heat well. Very fragrant. Midseason. Each, \$1.00.
- 8.4 **Medrano**. 26 inches. "S" and "F" a beautiful dark, smoky claret, a very rare color. Flowers of large size. Late. Each, \$1.00; 3 for \$2.00.
- 8.6 **Mildred Presby**. 30 inches. "S" white; "F" rich, dark, velvety pansy-violet, with narrow edge of lavender white. Large flowers of exceptional fine substance and clear coloring. A bright Rhein Nixe. Each, \$2.00.
- 7.9 **Miranda**. 36 inches. An early variety of clear violet blue. Plant vigorous with strong, well-branched stalks. Each, 50c; 3 for \$1.00.
- 8.8 **Mlle. Schwartz**. 48 inches. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. Each, \$1.00.
- 8.1 **Mme. Chobaut**. 36 inches. "S" white shot with pale chalcodony yellow, shading into wine-red; "F" white edged with lilac. A very pleasing contrast of colors. Each, 50c.
- 7.9 **Moliere**. 28 inches. "S" violet; "F" deep velvety violet; yellow beard. Early. Each, 50c.
- 7.4 **Monsignor**. "S" bluish lavender; "F" violet with white penciling at throat. Flowers of immense size and great substance. Blooms for a long time. One of the best. Each, 25c.
- 9.1 **Morning Splendor**. 40 inches. "S" petunia-violet; "F" rich raisin-purple. The flowers are large, of fine form, heavy substance, and delightful fragrance; borne on tall, strong stems; gives a beautiful red effect in the garden. Each, \$3.00.
- 8.4 **Mother of Pearl**. 48 inches. A pale bluish lavender flower of exceptional substance and a lustrous texture. A wonderful Iris, tall and vigorous in growth and free flowering. Each, 50c; 3 for \$1.25.
- 7.7 **Mrs. Hetty Matson**. "S" purple fawn, shot bronze; "F" broad rich crimson purple; rich yellow beard. Fine large globular flowers. Each, \$2.00.
- 7.5 **Mrs. Walter Brewster**. 36 inches. "S" lavender-blue; "F" aniline-blue. This was awarded the Mrs. E. Harding prize at Paris in 1921 as the most meritorious introduction of that year. As many as six flowers are open at the same time, some over 6 inches long. Each, 75c; 3 for \$1.50.
- 7.9 **Neptune**. 38 inches. "S" bright pale blue; "F" rich dark purple. Flowers very large, borne on tall branching stems; very choice. Midseason. Each, 50c; 3 for \$1.00.
- 8.3 **Ochracea (Sunset)**. 30 inches. "S" dull old gold, finely arched; "F" coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Very sweet-scented and late. Each, \$1.50.
- 8.2 **Opera**. 28 inches. "S" Bishop's (red) purple; "F" purple-violet. A wonderful coloring. Each, 50c; 3 for \$1.25.
- 7.8 **Oriflamme**. "S" light blue; "F" violet-purple. Flowers very large and handsome. A most desirable variety. Each, 35c; 3 for 75c.
- 8.8 **Pallida Dalmatica**. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Very effective if planted among evergreens or in front of Spiraea Van Houttei. Each, 35c.
- 7.7 **Parc de Neuilly**. Deep violet-blue. Very free blooming and effective. Each 35c; 3 for 70c.
- 9.0 **Princess Beatrice**. 40 inches. A selected form of Pallida Dalmatica and one of the finest of all the Irises. Silvery lavender flowers of satiny texture and heavy substance. The falls are well rounded and flaring. Each, 75c; 3 for \$2.00.
- 8.6 **Prosper Laugier**. Midseason. "S" fiery bronze; "F" velvety ruby-purple like a pansy bloom. Each, 35c.
- 8.1 **Prospero**. 48 inches. "S" pale lavender flushed with yellow at base; "F" deep red-purple with lighter shadings at margin. Heavily marked with brown at the haft. Deep orange beard. Vigorous tall-growing variety bearing enormous flowers of fine shape. Each, \$1.00; 3 for \$2.50.
- 7.2 **Quaker Lady**. "S" smoky lavender, shaded yellow; "F" ageratum blue and gold. A strong grower, odd and attractive. Each, 25c.
- 8.8 **Queen Caterina**. 40 inches. Pale lavender-violet with orange beard. A strong grower; flowers large with domed standards and rounded, drooping falls. A splendid variety. Midseason. Each, 75c; 3 for \$2.00.
- 7.1 **Queen of May**. "S" lilac-pink; "F" lilac, blended with white; distinct. Each, 25c.
- 7.4 **Raffet**. 26 inches. "S" delicate soft lavender-blue; "F" lavender-violet, brown markings, at the haft on light ground. Late. Each, 50c; 3 for \$1.00.
- 8.2 **Rhein Nixe**. "S" white, very large; "F" rich violet-purple with distinct narrow white edge. A charming flower. Beautiful in massed effects. Each 35c.
- 7.4 **Roseway**. 36 inches. Deep red-pink Pallida with broad orange beard. Very early; strong branching stalks. Each, 50c.
- 7.6 **Rotorua**. "S" pale lavender blue; "F" same shade, suffused deeper blue at the center. Flowers born on tall, well branched stems. Profuse bloomer. Each, \$1.00.
- 8.3 **Seminole**. 30 inches. "S" soft violet-rose; "F" rich velvety crimson, brilliant orange beard. One of the most outstanding sorts. Midseason. Each, 50c; 3 for \$1.00.
- 8.4 **Shekinah**. 36 inches. Clear soft yellow, shaded deeper through the center. One of the finest yellow Irises and the first of pallida growth. Midseason. Each, 50c; 3 for \$1.25.
- 7.7 **Sherwin Wright**. Early. "S" and "F" splendid golden yellow without shading or markings. Multiples rapidly and is most satisfactory. Each, 25c.
- 9.1 **Souv. de Mad. Gaudichau**. "S" and "F" rich deep purple. This is without a doubt the most beautiful of all the deep purple Irises. The plants are vigorous, the stalks are tall and the magnificent flowers, of great size, form and substance, are freely produced and well placed. Early. Each, \$1.00; 3 for \$2.50.
- 7.2 **Stormcloud (Nuee d'Orage)**. Very large flowers of grayish slate-blue, with bronze shading; "F" purplish blue. Very fine. Each, 25c.
- 8.5 **Sweet Lavender**. 36 inches. "S" pale lavender; "F" deep rose-lavender, very broad and horizontal. A lovely Iris with fine fragrance. Each, \$1.00; 3 for \$2.00.
- 7.5 **The Inca**. 24 inches. "S" deep, clear saffron yellow; "F" velvety dark plum, edged with a golden band through center. An improved Peacock's Eye. Midseason. Each, 50c; 3 for \$1.00.
- 8.4 **Titan**. 36 inches. A Dominion Seedling with flowers of enormous size. "S" light violet-blue, broad and arching. "F" violet-purple, spreading and of very great substance. Each, \$3.50.
- 7.3 **Trianon**. 28 inches. "S" nearly flesh; "F" yellow with a cast of blue. A novel and very delicate combination of colors. A vigorous grower and a free bloomer; flowers large and well formed. Late. Each, 50c; 3 for \$1.00.
- 7.8 **Troost**. 24 inches. "S" deep rosy purple; "F" paler, veined violet changing to brown. Unique and beautiful. Each, 50c; 3 for \$1.00.
- 7.9 **White Knight**. A beautiful absolutely snow-white iris without markings of any kind; delicately sweet-scented. It fulfills in every way its worthy name. Each, 50c; 3 for \$1.25.
- 7.4 **W. J. Fryer**. 30 inches. "S" bright yellow; "F" deep maroon with narrow yellow border. An improved Iris King. Late. Each, 50c; 3 for \$1.25.
- 8.0 **Zwanenburg**. 20 inches. "S" cream, striped maroon; "F" dark olive-brown, edged violet. Large flowers of peculiarly pleasing coloring. Early. Each, 75c.



JAPANESE IRIS

## JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful. Their remarkable flowers are generally rather flat and wide, often measuring 10 to 12 inches across, and appear in great profusion in June and July, thus prolonging the Iris season.

These Irises should be planted in a sunny and moist location, but should not be allowed to stand in water. If well watered previous to and during the blooming period, blooms of great size and beauty will be secured. Price, except where noted, each, 50c; 3 for \$1.25.

**Gold Bound**. White with gold-banded center. Double. Early.

**Kamochi-guma**. Dark purplish indigo. Midseason. A beautiful double.

**Kumo-No-Obi (Band of Cloud)**. A very full double of pleasing lavender effect.

**Mahogany**. Velvety mahogany red. Double.

**Momigi-No-Taki**. Variegated rosy carmine.

**Purple and Gold**. Rich violet-purple. Gold center. Double. Midseason.

**Uchiu**. Cerulean blue, veined white. Gold center. Double.

**Zama-No-Mori**. White, slightly shaded azure blue. A large and beautiful single.

**Mixed**. Each, 50c; 3 for \$1.00; 10 for \$2.50; 100 for \$20.00.

## VARIOUS IRISES

**Cristata (Crested Iris)**. Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. Each, 35c; 3 for 75c.

**Sibirica**. George Wallace. (Azure blue.) Falls marked white. Each, 25c.

**—Orientalis**. Rich, deep purple. Each, 25c.

**—Snow Queen**. Large, Ivory white. Each, 35c; 3 for 75c.

**Pseudoacorus (Common Yellow Water Flag)**. Bright Yellow. Fine for waterside plantings. This and the Versicolor are the only Irises that may be planted safely where water stands. Each, 35c; 3 for 75c.

**Pumila Hybrida**. Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet-scented. These bloom about two weeks before the German Iris.

**—Cyanea**. Rich royal purple with black shading. Each, 35c; 3 for 75c.

**—Dixmude**. Violet-purple. Each, 35c.

**—Schneekuppe**. White. Each, 25c.

**Versicolor (Common American Water Flag)**. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. Each, 35c; 3 for 75c.





Here are shown some of the premiums won last summer by Vaughan's gladioli, in the shows of National Gladiolus Society at Toledo, O., and the Michigan Gladiolus Society, at East Lansing, Mich., the two leading shows of the nation. Among the trophies illustrated are the President's cup of the Michigan Society; and gold, silver and bronze medals of the national society.

# Vaughan's Glorious Gladioli

**G**LADIOLI in the garden have definitely arrived. The development of varieties that grow four to five feet tall, with giant flowers, of delightful coloring, has made this modern flower unequalled for striking effects in the midsummer garden.

From a single bulb of the better varieties, one obtains a display equal, if not surpassing, that from an iris plant, for example. The season of bloom from a single plant is from one to two weeks, during which the flowers open in succession.

With such material it is not difficult to imagine effective uses to which the modern gladioli may be put in the garden picture. Especially useful are the many new varieties of self-coloring that is, in which one color pervades and dominates the flower. The blotch which was usually a feature of the older varieties is being subordinated, and in many cases bred out. There are also beautifully blended colors among the newer glads; including that interesting class so difficult to describe, which fanciers have generally agreed to call "the smokies."

Whether you have an informal border, or formal beds, there will probably be some spot where a group of twelve or twenty-five stately glads, of exactly the proper height and color, will give just the right effect at a time when, but for this adaptable flower, interest would be missing. You can plant gladioli anywhere, and at any time up to June 15 with certainty that in due time you will have flowers.

In color range the gladioli are now excelled only by the tulips; and such progress is being made that before many years even the tulips may be equaled. If there is a weakness now, it is in the purples; but this weakness is being overcome. Baron Hulot, so long the only good violet-purple, is now reinforced by Sovereign, a real improvement upon it; by Veilchenblau, and now by our introduction of this year, Rosa Raisa. In addition, there are many pinkish and reddish purples and lavenders. And before many years we have reason to believe the list of violets will be augmented by an impressive array of tall-growing, large-flowered newcomers.

The amateur should not overlook the primulinus type; which is rich in luminous oranges, and delightful salmon-pinks. The grace and delicacy of primulinus blossoms make them splendid subjects for bouquets. They are beautiful in mass plantings and because they reproduce so plentifully, they are inexpensive to buy, and the stock of bulbs multiplies rapidly from year to year.

Try glads in the garden picture this year; groups of the tall, large-flowered type, balanced at conspicuous points in the beds or border; and a mass planting of the primulinus, perhaps. You will never be without them once you know their charm. Plant them after April 1st (in Chicago's latitude) and continue planting for succession until June 15th.

## Vaughan's Introductions of 1929

**\*Rosa Raisa (1018).** Long spike, flowers well placed and of good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, \$15.00.

**\*Cadillac (1026).** Tall spike, flowers well placed and of good form. 7 open at one time, 5 to 7 buds. Color golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, \$5.00.

**\*Bloomington (807).** Good spike, 5 open flowers, 10 buds. Flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, \$2.00; doz., \$20.00.

**\*Seafoam (933).** White Primulinus. Good spike, flowers well open, medium size, stamens white, color pure white with greenish reflex, 4 flowers open, 7 to 9 buds. A wonderful producer. Each, \$2.00; doz., \$20.00.

**\*Bijou (909).** Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellows with crimson blotch at base of petals. Flowers well placed. A most charming variety. Height, 30 inches. Each, \$2.00; doz., \$20.00.

**\*Tawney (1219).** Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, \$10.00.

**\*Pompadour (444).** Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson lake on three lower petals; stamens slate-violet, pistil white. Very desirable. Each, \$10.00.

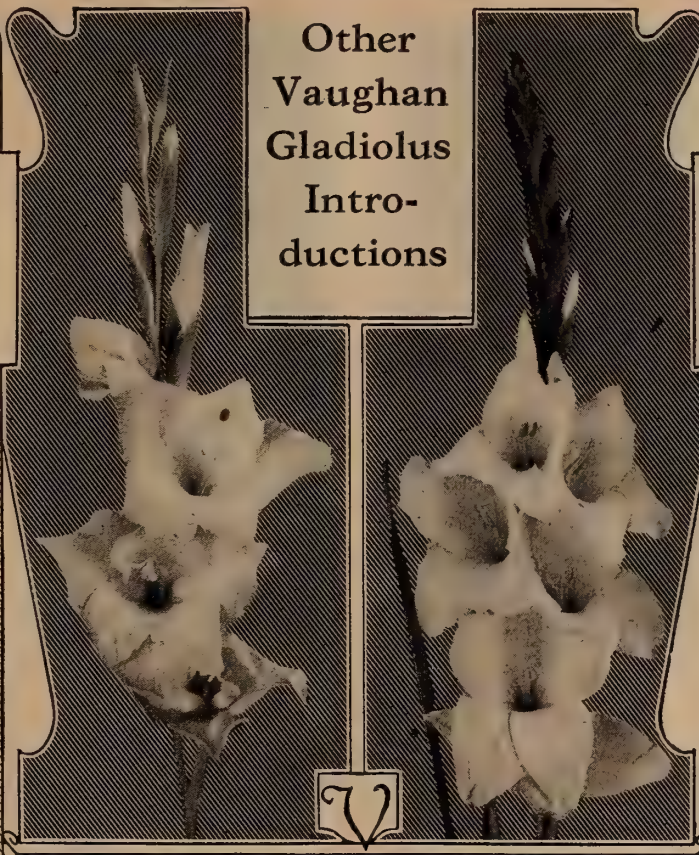
**\*Flanders (720).** Red Primulinus. Tall spike, 10 open flowers, 10 buds. Flowers well placed, wide open, brilliant orange-violet, stamens light. Extra early; very productive. Each, \$1.00; doz., \$10.00.



## Other Vaughan Gladiolus Intro- ductions



HURON



PINKPRIM

VIRGINAL



LANSING

**\*Edith Mason (365).** This variety, introduced in 1927, won the gold medal awarded to the best pink introduced since 1926, at the Toledo show of the American Gladiolus Society in 1928. It is a beautiful, delicate, self-pink of the shade called by Ridgeway, geranium-pink; inconspicuous throat markings of cream; 4 to 5 feet tall, blossoms in 90 days. Seventeen flowers on a typical spike, all face one way. The midrib of each petal is a light cream which blends with the throat. The petals have a tendency to roll back which gives the flower a very distinct and beautiful appearance. Each, \$1.00; doz., \$7.50; 100, \$50.00.

Illustrated on outside back cover.

**\*Dorothy Vaughan (242).** This is a very tall, medium early, color is a very faint apple-blossom pink. One of the finest seedlings shown at the Kalamazoo show in 1922. It's a winner. Each, 50c; doz., \$5.00; 100, \$35.00.

**\*Elsie McCormick (467).** A beautiful rose-pink. Very strong, healthy grower, medium in height and holds a large number of blooms open at one time. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on outside back cover.

**\*Huron.** A new variety of odd coloring. Light ash rose on upper petals. Edges of lower petals plum shade toning lighter to center with blotches of cream. A strong grower with eight flowers to the spike. Would make a good addition to any collection. Each, 50c; doz., \$5.00; 100, \$35.00.

**\*Improved Martha Washington (132).** This is an improvement of our Martha Washington variety. It is a taller, stronger grower, but of the same shade and markings. A prize winner at the Horticultural Shows in England. Each, 50c; doz., \$5.00; 100, \$35.00.

Illustrated on outside back cover.

**\*Ionia (323).** Season 80 days. This is a tall grower and carries a long spike of well-placed beautiful flowers of an exceptional shade. The general color is a yellow, suffused with pink, which gives it an exceptionally delicate shade. Considered by the English growers a variety of merit. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on outside back cover.

**\*Improved Schwaben (395).** This is a Schwan seedling, deeper yellow with very little markings in the throat. It has the habit of growth of the Schwaben. Each, 20c; doz., \$2.00; 100, \$15.00.

Illustrated on outside back cover.

**\*Kalamazoo** Purple-violet with lines of creamy white running through each petal to the edge of the flower, and throat of creamy white. Flowers large, compact and well placed on a very strong spike. Season 80 days. Price, each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on outside back cover.

**\*Lansing.** Big Pink, strong, tall-grower. Sixteen good size flowers to the spike. A white ground is overlaid with pale sulphur-yellow on two side petals, with tips of all petals tinted light flamingo pink. Backs of petals light flamingo on white ground. Each, 50c; doz., \$5.00; 100, \$35.00. Illustrated on outside back cover.

**\*Manistee (303).** Season from 90 to 95 days. This is a large ruffled pink. A very strong, vigorous grower with heavy foliage and strong, straight spikes. Flowers well-placed and beautifully ruffled. Each, 35c; doz., \$3.50; 100, \$25.00.

**\*Martha Phillips (142).** This originated from seed produced in 1913. Exact parentage unknown. Season 90 days. This is a dark solid red, florets medium size, many open at a time and well-placed on the stem, producing a mass of solid dark red color. Each, 15c; doz., \$1.50; 100, \$10.00.

**\*Mary H. Dick (490).** Season 75 days. A Prim. Hybrid. Slender, tall, straight spike with florets well-placed. This variety is exceptionally fine for basket work. Each, 20c; doz., \$2.00; 100, \$15.00.

**\*Mrs. Julius Rosenwald (11).** Season 81 days. Color, wine-red, lightly flaked with a deeper red. Flowers very large and well-placed on a tall, slender stalk. At National Show, Toledo, it won first prize as best dark red. Each, 35c; doz., \$3.50; 100, \$25.00.

Illustrated on outside back cover.

**\*Sandusky (838).** (Primulinus.) The color is laid on a flesh base not solidly, but with a misty effect, producing a blend difficult to describe. The overtone color is classified by Ridgeway as Bordeaux. The flesh undertone dominates in the throat; there are scarlet markings on three lower petals. Tall and vigorous grower, blossoms face well, twelve on a spike, 5 open at once. Matures in 70 days. Each 50c; doz., \$5.00; 100, \$35.00.

**\*Pinkprim.** A large-flowered Primulinus hybrid of a wonderful salmon-pink tint which Ridgeway terms salmon-rose. Marked only by white blotches at the lower petals and deep throat stippling of a color called by Ridgeway deep salmon-rose. Flowers well-placed, averaging about ten to the spike. Four open at a time measuring about 3½ inches across. Each, 50c; doz., \$5.00; 100, \$35.00.

**\*Sovereign (2099).** Blossom a violet-purple with a very light mark in the center of the lower petal. The flower is large, the petals full and rounding and well opened up; the stalk is tall, strong and vigorous with heavy green foliage and the flowers well-placed. Season medium to late. Each, 25c; doz., \$2.50; 100, \$18.00. Illustrated on outside back cover.

**\*Vaughan's White.** This splendid white, the best we have seen, is earlier and larger than Europa and as prolific as America. The bulbets germinate well. It is a thrifty and vigorous grower with a medium stalk and many well-placed flowers open at once. Flower is a good, clear white with no throat markings. Still winner at all shows as the best white. Price prepaid, each, 40c; per doz., \$4.50; 100, \$35.00.

Illustrated on inside back cover.

**\*Verdun (406).** The strong color called by, the edge of the petals is softened toward the center with a chalky overtone; producing a beautiful blend, the effect of which is heightened by the white throat and white blotch on the lower petals. Three to 4 feet tall, matures in 80 days, flowers well placed, face one way, 14 on a typical stem, four open at once. Each, 50c; doz., \$5.00; 100, \$35.00.

**\*Virginal.** A White Gandavensis hybrid in which the grace and vigorous constitution of the Vaughan type are combined. The pure satin white of its petals is without marking except for the faint lavender penciling deep in the throat and the lower petals. The stamens are light lavender, the flowers well-placed. Winner at Toledo show as one of the best whites. Each, 50c; doz., \$5.00; 100, \$35.00.

Illustrated on outside back cover

**\*White Pendleton (500).** This is a white sport of the well-known variety, Mrs. F. Pendleton. It is a pure white with a dark blotch in the throat which makes it very attractive. Each, 25c; doz., \$2.50; 100, \$18.00.





MARY H. DICK



EVELYN KIRTLAND



E. J. SHAYLOR



DETROIT

# Vaughan's Glorious Gladioli

## RED SHADES

- AMARYLLIS.** Blood-red flower, giant size. Each, 35c; doz., \$3.50; 100, \$25.00.
- ATTRACTION.** Deep crimson, with large white center. Each, 10c; doz., 90c; 100, \$6.00.
- A. W. HUNT.** Best orange-red, large flowers. Price each, 15c; doz., \$1.50; 100, \$10.00.
- BLACK PANSY.** Rich, dark red Pansy-like throat. Each, 15c; doz., \$1.50; 100, \$10.00.
- CANICULE.** Well furnished spike of very large, well-opened flowers, light scarlet-red; the lower petals bear a large creamy white blotch; stripe of the same color in the center of the upper petals. Each, 20c; doz., \$2.00; 100, \$15.00.
- CARUSO.** Splendid flowers of brilliant orange-red. The earliest of all red gladioli, blooming with or before Halley. Each, 35c; doz., \$3.50; 100, \$25.00.
- \*CHICAGO SALMON.** Clear Salmon with carmine. Each, 15c; doz., \$1.35; 100, \$9.00.
- CHATEAU THIERRY.** Bright scarlet-red, with carmine stripe on creamy ground on lower petals. Enormous wide open flowers 5 to 6 inches. Fine spike. Price, each, 15c; doz., \$1.50; 100, \$10.00.
- CRESCENT QUEEN.** Very large, dark wine-red. Each, 15c; doz., \$1.50; 100, \$10.00.
- CRIMSON GLOW.** A perfect, very large deep scarlet-crimson; flowers on a tall, strong spike. Each, 15c; doz., \$1.35; 100, \$9.00.
- DIANA.** Clear, rich, mellow, blood-red grand spike of well-placed flowers. Considered by many the best red to date. It has very good quality that goes to make a good gladiolus. Each, 20c; doz., \$2.00; 100, \$15.00.
- DR. F. E. BENNETT.** Peach-red, overlaid with flame-scarlet, throat stippled with ruby and white. A very large, attractive red with plenty of vigor. The flowers have good substance and good arrangement. This is one of those reds that stand out in a class by themselves. It is sure to be the one you will see if you go into the garden when it is in bloom. Each, 25c; doz., \$2.50; 100, \$18.00.
- Illustrated on outside back cover.**
- DR. R. T. JACKSON.** Very deep, rich crimson-maroon. An unusual color and a variety that will be largely grown when better known. Each, 15c; doz., \$1.50; per 100, \$10.00.
- EARLY SUNRISE.** This is a very vigorous grower. Spikes grow from three to four feet high. Flowers extra large, bright salmon-scarlet color with pencil stripe of cream through center of each petal of the flower. It is extremely early, being in the same blooming period as Halley, but much larger flowers and spikes. Each, 15c; doz., \$1.50; 100, \$10.00.
- HALLEY.** Delicate salmon-pink, with a slight roseate tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center. Each, 10c; doz., 75c; 100, \$5.00.

## RED SHADES—Continued

- FOREST FIRE.** This amazing novelty caused no little comment and admiration at the last Convention of the American Gladiolus Society. The flowers are a dazzling shade of orange-scarlet, gigantic in size, all facing one way, artistically placed on a thick, strong stem. It is a beautiful sight to see its brilliant flowers opening upon spikes almost as tall as a man, while the color of the flower is further enhanced by its luxuriant, dark green foliage. Without doubt it is the most outstanding gladiolus novelty of the year, and we do not hesitate to state that it is the best gladiolus of its color ever introduced. Each, 50c; doz., \$5.00.
- HEINRICH KANZLEITER.** A brilliant dark velvety blood-red, large flower, the best earliest flowering dark-red gladiolus (as early as "Halley"). An extra good variety. Each, 35c; doz., \$3.50; 100, \$35.00.
- HERBSTZAUBER.** (Autumn fascination), the most wonderful copper-salmon color. Large flowers, fine spike, late-flowering. Each, \$1.00; doz., \$10.00.
- ILLUMINATOR** is a brilliant carmine-red, with a faint suffusion of blue adding to its richness. Practically self, such marking as is perceptible appearing as an intense French-purple blotch. Strong, tall, straight, healthy. Long flower spike, with many buds perfectly placed. Flowers large to very large, and many open. Each, 35c; doz., \$3.50; 100, \$25.00.
- JACK LONDON.** Light salmon with vermilion stripes. Canary-yellow throat with ruby stripes. Each, 15c; doz., \$1.50; 100, \$10.00.
- JEAN BART.** Large spike; large, well opened, rounded flowers of a bright crimson red. Ivory white blotch. Price, each, 50c; doz., \$5.00.
- JOE COLEMAN.** Large, rich red. Each, 15c; doz., \$1.00; 100, \$7.00.
- LUSTRE.** Dark orange-vermilion. Each, 15c; doz., \$1.50; 100, \$10.00.
- LUTIN.** Well-expanded flowers of cherry-red with a deep crimson blotch on a creamy white ground. Each, 15c; doz., \$1.50; 100, \$10.00.
- MAGENTA (syn. Tyrian Beauty).** A beautiful large flower of American Beauty rose color. Very tall and strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.
- MERCEDES.** Carmine-rose and pale rosy white; with a very effective red blotch on lower petals. Each, 50c; doz., \$5.00.
- \*MRS. FRANCIS KING.** Brilliant vermilion-scarlet. Most popular and effective variety for all occasions. Large size. Each, 10c; doz., 90c; 100, \$6.00. Medium size, doz., 60c; 100, \$4.00.
- Illustrated on inside back cover.**
- MRS. W. E. FRYER.** New, bright scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.
- MRS. DR. HAUFF.** The best brilliant scarlet gladiolus, many large flowers open at the same time, make a very fine spike. Each, 75c; doz., \$7.50.

## RED SHADES—Continued

- MRS. LEON DOUGLAS.** Ground color Begonia-Rose, striped with flame and brilliant scarlet. Lip is pale lemon slightly speckled with ruby. The size of the flowers, we believe, is the largest in existence, and all are very open and well set on the long spikes. The spikes are extra long and have up to as many as seven side spikes on each main spike. This is one of the most beautiful varieties ever produced. Each, 25c; Doz., \$2.50; 100, \$18.00.
- MRS. W. S. RICHARDSON.** Large, well-formed flowers of rich, velvety red. Each, 15c; doz., \$1.50; 100, \$12.00.
- MRS. WATT.** Glowing American Beauty shade of red. Each, 15c; doz., \$1.25; 100, \$8.00.
- NEGERFURST.** (King of the Blacks). Lustrous, velvety blood-red, flamed black. Very early blooming, and a most attractive variety. Each, 35c; doz., \$3.50; 100, \$25.00.
- ORPHEUS.** Fine blood-red, with many blooms open at one time. Sturdy grower. Each, 35c; doz., \$3.50; 100, \$25.00.
- \*PRINCEPS.** Brilliant scarlet-crimson, carrying mostly three white blotches on lower petals. Each, 15c; doz., \$1.60; 100, \$12.00.
- PRINCEPINE.** Beautiful red with large white blotch. Each, 10c; doz., \$1.00; 100, \$7.00.
- \*PONTIAC—PRINCEPS.** Giant Seedling of Princess. Considerably lighter red. Very large flower with Princess throat markings. Petals slightly striped with deep vermilion, stalk as strong as Schwaben and a taller grower than King. Price, prepaid each, 15c; doz., \$1.25; 100, \$8.00.
- PYTHIA.** Large red with many blooms open at one time. Very showy. Price, each, 20c; doz., \$2.00; 100, \$15.00.
- PRIDE OF HILLEGOM.** Light scarlet-red, wonderful spike. Price, each, 15c; doz., \$1.25; 100, \$8.00.
- RED FIRE.** A seedling of "Princess," entire flower of richest, pure self-colored bright-red. Very striking and showy. Each, 20c; doz., \$2.00; 100, \$15.00.
- RED STAR.** For color description we are closest to reality when we state: "Dazzling blood-red." A quantity of blooms dazzles the eye. Each, 25c; doz., \$2.50; 100, \$18.00.
- SARABAND.** Very large wide open flower of rich velvety bordeaux with straw yellow blotch, feathered bordeaux. Stamens deep rose-red. Fine placement, good substance. Tall. A very unusual flower, rich as an oriental rug. Each, 75c; doz., \$7.50.
- SARAH LILLIE.** Reddish lavender, with ruby throat mottled with white. Each, 20c; doz., \$2.00; 100, \$15.00.
- SCARSDALE.** Magenta, lower petals are shaded darker and are streaked creamy white in throat. Slightly curved spike. Well-arranged flowers. Each, 15c; doz., \$1.50; 100, \$10.00.

\*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



# Vaughan's Glorious Gladioli

## RED SHADES—Continued

**SCARLET WONDER.** This is without doubt the most beautiful scarlet variety yet introduced. Plant four to five feet high, with broad, stalky, dark green foliage, and compact truss of great rich velvety scarlet, fiery crimson flowers. Each, 25c; doz., \$2.50; 100, \$18.00.

**SCARLANO.** Light, bright orange-red. Fine spike and flower, finely ruffled. Each, 10c; doz., \$1.00; 100, \$7.00.

**SCARLET PRINCEPS.** Six or more massive Princeps-like blossoms open at one time, throat a little deeper. Very fine variety. Each, 15c; doz., \$1.25; 100, \$8.00.

**SCARLET GLORY.** Ruffled, fine red. Each, 20c; doz., \$2.00; 100, \$15.00.

**SHIELA.** Light coral-red, fading to flesh-pink in throat, with primrose blotch on lower petals, penciled with pomegranate-purple. Form good, with plenty of vigor. An exceptionally good early variety. Each, 15c; doz., \$1.50; per 100, \$10.00.

**SIR ROGER CASEMENT.** Ox-blood red, heavily ruffled. Dark maroon stripe through the center of the lip. Of extremely velvety texture. Each, 25c; doz., \$2.50; 100, \$18.00.

**TOKIO.** Very large flowers of cherry-red with white blotch on the lower petals. Each, 20c; doz., \$2.00; 100, \$15.00.

**TRUDEL GROTZ.** Giant flowers of brilliant dark salmon-pink, shading lighter towards the throat, with a small, red blotch. Each, 50c; doz., \$5.00; 100, \$35.00.

**VIRGINIA** (See Scarlet Princeps).

**WAR.** Deep blood-red, shaded crimson-black. A leader among the large reds. Each, 15c; doz., \$1.25; 100, \$8.00.

Illustrated on inside back cover.

## PINK SHADES

**ALCAZAR.** Rose-colored, with amaranth red blotch. Each, 40c; doz., \$4.50; 100, \$35.00.

**\*ALMA (414).** Phlox pink, 3 to 4 feet tall, blossoms in 90 days. Blossoms well-placed on stems, face one way; seven to ten open at once. Twenty flowers on a typical spike. This color is popularly known as light lavender or orchid. Throat marking is darker, surrounded by a cream, which blends gradually into the general color. Each, 35c; doz., \$3.50; 100, \$18.00.

**AMERICA.** Soft lavender-pink. Large bulbs. Doz., 75c; 100, \$5.00. Medium bulbs. All good bloomers. Doz. 60c; 100, \$4.00.

**AMERICAN BEAUTY.** Brilliant American Beauty rose color, with a creamy yellow throat. Each, 20c; doz., \$2.00; 100, \$15.00.

**BREAK O'DAY.** Immense pink blossoms with soft creamy yellow blotches on the lower petals. Don't fail to include this one in your collection. Price, each, 50c; doz., \$5.00; 100, \$35.00.

**BYRON L. SMITH.** Beautiful lavender-pink on white ground, an orchid shade. Each, 15c; doz., \$1.60; 100, \$12.00.

**CATHERINE COLEMAN.** Very large flowers of pleasing geranium pink. Each, 35c; doz., \$3.50; 100, \$25.00.

**\*CLARA ADAMS (234).** Season 80 days. Light pink with a slight crimson marking in the throat. The flowers are very large, well open with 6 or 8 open at one time. Each, 15c; doz., \$1.35; 100, \$9.00.

**DAWN.** Salmon shading to claret stain in throat. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*DETROIT.** A giant flower with orchid colorings. Fully developed flowers measure 5 inches across. The color is a light pink with deeper pencilings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlying sulphur on the center third of the lower petals. The flower spike is long with 13 flowers to the spike. Each, 35c; doz., \$3.50; 100, \$25.00.

**DR. HAN FITZNER.** Wonderful soft pink. Each, 25c; doz., \$2.50; 100, \$18.00.

**DR. W. VAN FLEET.** Magnificent shade of delicate rose pink, deeper at edges. Throat of soft creamy yellow. Price, each, 15c; doz., \$1.50; 100, \$10.00.

**DEUTCHLAND.** This is a seedling of America, but far surpasses this type. Color is a wonderful pink, with fiery crimson blotch. The spikes are very large, borne on tall, slim but wiry stalks, presenting a much more elegant appearance than America. Each, 15c; doz., \$1.50; 100, \$10.00.

**EVELYN KIRTLAND.** A beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center, with brilliant scarlet blotches on lower petals; the entire flower showing a glistening, sparkling lustre. Very tall spike. Each, 10c; doz., \$1.00; 100, \$7.00.

## PINK SHADES—Continued

**ELIZABETH TABOR.** Petals are delicate rosy pink on white ground, lower ones bearing a rich dark crimson blotch which terminates in a diamond of soft yellow. Grows tall, but rarely has a crooked stalk. Flower spike very long, with a number of flowers open at once, gracefully placed. Extremely early. Each, 15c; doz., \$1.50; 100, \$10.00.

**FIELD MARSHAL HAIG.** Very attractive shade of light salmon-pink, with ox-blood red blotch. Each, 20c; doz., \$2.00; 100, \$15.00.

**FRANK J. SYMMES.** A fine ruffled geranium-pink distinctly blotched scarlet-red at the throat. Each, 15c; doz., \$1.50; 100, \$10.00.

**FAY LAMPHIER.** Large flowers with coral lustre and cerise blending. Flowers well distributed on its graceful spike rendering it very useful for artistic vase arrangement. Price, each, 20c; doz., \$2.00; 100, \$15.00.

**E. J. SHAYLOR.** Tall, beautiful, pure deep rose-pink. Each, 10c; doz., 90c; 100, \$6.00.

**GLORY OF KENNEMERLAND.** Comparatively new and uncommon. Growing rapidly in favor as it becomes known. It is a very rich, deep rose, with golden yellow blotch and throat. Flower very large, of wide-opened bell-shape, with rounded petals. Each, 15c; doz., \$1.25; 100, \$8.00.

**GRETCHEN ZANG.** Pink, blending into scarlet on lower petals. Each, 10c; doz., 90c; 100, \$6.00.

**GIANT NYMPH.** La France-pink; with creamy yellow throat; very large, wide-open flowers, long spikes and flowers well arranged on the stem. This is without question one of the very best recent introductions. If it is not in your collection, buy it. Each, 15c; doz., \$1.50; 100, \$10.00.

**INDIAN SUMMER.** Massive ruffled flowers of light lavender rose-pink on white ground. Very late flowering. Each, 35c; doz., \$3.50; 100, \$25.00.

**JENNY LIND.** Shrimp-pink shading to Geranium, pink at tip. Spike compact and flowers ruffled. Price, each, 25c; doz., \$2.50; 100, \$18.00.

**LA GALETTE.** An extra fine cherry-rose with a flaming scarlet blotch, a very attractive color combination. Each, 50c; doz., \$5.00.

**LA VANDER AMERICA.** A deeper pink, with more lavender tint than "America." A very large and beautiful flower of most artistic form and striking general appearance. Each, 15c; doz., \$1.50; 100, \$10.00.

**LONGFELLOW.** Flowers of La France-pink on a tall, wiry stem. Each, 50c; doz., \$5.00.

**LE MARECHAL FOCH.** Rose-pink, resembling America in color but deeper. Blooms same time as the Halley. Each, 10c; doz., 75c; 100, \$5.00.

**LOS ANGELES.** Shrimp pink with orange-carmine throat. The color tone is one of unusual delicacy and so pleasing as to be greatly admired. It is a favorite cut flower among the Hollywood motion picture stars. A wonderful florist's flower of individuality and distinction. Each, 15c; doz., \$1.60; 100, \$12.00.

**\*L. W. WHEELER (394).** Season 82 days. This variety is a very distinct shade of pink suffused with yellow, blending to a strong yellow toward the center blotch of crimson. The flower is medium size and rounding form well placed on the spike, which usually carries from 10 to 14 open at a time. Each, 25c; doz., \$2.50; 100, \$18.00.

Illustrated on inside back cover.

**MRS. WM. E. CLARK.** A fine salmon-pink with bright crimson blotch; has a perfect long spike. Good propagator. Received a Certificate of Merit from the American Gladiolus Society. Each, 20c; doz., \$2.00; per 100, \$15.00.

**\*MARY ALICE.** (2022.) Color; rose-pink, the throat marking of a lavender-mauve, a light streak running through the center of each petal, anthers lavender, flowers large, well open with petals slightly reflex. The stalk is very tall, strong and straight. Flowers well placed and 6 to 8 open at one time. Each, 15c; doz., \$1.35; 100, \$9.00.

**MISS MADISON.** Bright cameo-pink overlaid on a white ground. Each, 20c; doz., \$2.00; 100, \$15.00.

**MONA LISA.** Ruffled, palest soft rose-pink. Each, 15c; doz., \$1.35; 100, \$9.00.

**MRS. FRANK PENDLETON.** Flushed salmon-pink, with rich maroon blotch on the three lower petals. The most popular flower in florists' shops. Each, 10c; doz., 90c; 100, \$6.00.

Illustrated on inside back cover.

**MRS. H. E. BOTHIN.** Light geranium-pink, heavily ruffled. Flamed scarlet center. Strong, well built spikes; first-class show and cut-flower variety. One of the loveliest combinations in Gladioli. It has created a sensation wherever produced. Each, 15c; doz., \$1.25; per 100, \$8.00.

**MYSTIC.** Very early, pink. Each, 15c; doz., \$1.25; 100, \$8.00.

## PINK SHADES—Continued

**NANCY HANKS.** Rich apricot to orange-pink with grenadine tongue. These primulinus-hybrid colors are very unusual in the large-flowering gladioli. Six or more flowers open at one time, fine placement and substance. Vigorous grower and rapid multiplier. A splendid cut-flower. Will not burn in hot climate. Received award of Merit, Haarlem, Holland, also British Gladiolus Society 1926-27. Each, 35c; doz., \$3.50; 100, \$25.00.

**ODIN.** Salmon with dark blotch, large flowers. Very fine variety. You will like it in your collection. Each, 15c; doz., \$1.25; 100, \$8.00.

**OSALIN.** A very lovely coral-pink with soft orange marking in throat. Especially beautiful under electric light. This variety is the mid-season pink to use with the early Prince of Wales and Richard Diener. Good height, fine placement, six large blooms open at one time. One of the loveliest gladioli in the whole garden. Received Award at British Gladiolus Society, 1927. Each, 50c; doz., \$5.00.

**PANAMA.** An improved America, largest and most notable spike of bloom among all pink sorts. Each, 10c; doz., 90c; 100, \$6.00.

Illustrated on inside back cover.

**PEACH ROSE.** An extra choice and distinct deep rose-pink of remarkable color and appearance. Was awarded First-class Certificate of Merit by Mass. Hort. Society, Summer 1919. Each, 20c; doz., \$2.00; per 100, \$15.00.

**PHAENOMEN.** A beautiful Gladiolus, the color a blending of salmon-pink and rich yellow, very good spike with perfectly-placed flowers. Each, 75c; doz., \$7.50.

**PINK LILY.** Ruffled, delicate pink. Each, 15c; doz., \$1.25; 100, \$8.00.

**PINK WONDER.** Very large, wide-open flowers of lily-like form produced on tall, strong spikes. The color is white, tinted La France-pink. Each, 15c; doz., \$1.50; 100, \$10.00.

**PRINCE OF WALES.** The flowers are large and well placed and the color is a most charming coral-pink. It is a sport of Halley, but larger and of taller growth and also somewhat earlier. The delicate tint is practically without throat markings. Each, 10c; doz., \$1.00; 100, \$7.00.

**PRINCESS ELIZABETH.** Lustrous salmon-rose spotted carmine on lower petals. Extremely large-flowering, flowers 5 to 6 in. diameter. Each, 50c; doz., \$5.00.

**RICHARD DIENER.** Pure geranium-pink with a slight sprinkling or ruby on creamy yellow center. Large flaring blossoms, rivaling an orchid in beauty. Each, 20c; doz., \$2.00; 100, \$15.00.

**REMEMBRANCE.** Ruffled flowers of Geranium-pink shading to rose-pink, throat blotched purple. Price, each, 20c; doz., \$2.00; 100, \$15.00.

**ROMANCE.** Large orange-salmon with red and yellow throat. Very showy. Price, each, 25c; doz., \$2.50; 100, \$18.00.

**ROSE GLORY.** Ruffled, rose-pink. Each, 15c; doz., \$1.25; 100, \$8.00.

**ROSEMARY.** Wonderful new gladiolus. White, thickly marked with fine parallel hair-lines and stipplings of lavender-rose, which become pure pink under artificial light. No colored picture could possibly do it justice. You should have this one in your collection. Each, 75c; doz., \$7.50.

**RUFFLED GLORY.** Salmon-pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide-open flowers are carried on straight, stout 3½-foot stalks. Each petal is exquisitely ruffled. Each, 15c; doz., \$1.50; 100, \$10.00.

**1910 ROSE.** Very large flower, pure rose-pink of extra fine shade. Narrow white central line on lower petals. Each, 10c; doz., 90c; 100, \$6.00.

**\*SHIAWASSEE (177).** This seedling showed up so well in our trial grounds and being very prolific we marked same worth naming. Color, very fine pink, prolific and strong grower. Holds open many well-placed flowers at one time. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*THE VAMP (149).** Season 70 days. Flowers well placed on a tall, straight stem, 6 to 7 flowers open at one time. A delicate pink. On the three lower petals is a large blotch of velvety crimson surrounded with a creamy white halo producing a very beautiful effect. Each, 10c; doz., 90c; 100, \$6.00.

**THOMAS T. KENT.** Shell-pink overlaid with strawberry, and a crimson streak on each petal. The flower is very large. Each, 15c; doz., \$1.50; 100, \$10.00.

**TYCKO ZANG.** Clear salmon-pink, white throat faintly dotted with deep cerise. Blooms well-placed on a straight spike. A wonderful new variety which should be in every collection. Each, 35c; doz., \$3.50; 100, \$25.00.

**UNIQUE.** Tall, large, finest salmon-pink. Each, 15c; doz., \$1.60; 100, \$12.00.

\*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



# Vaughan's Glorious Gladioli

## PINK SHADES—Continued

**VESTA TILLEY.** A delicate blush-pink with a small violet blotch. The flowers are large and firm. Each, 15c; doz., \$1.60; 100, \$12.00.

**WILBRINK.** Sport of Halley. It retains the earliness of that variety, but has a delicate pale pink color, somewhat similar to "America." Each, 10c; doz., 90c; 100, \$6.00.

**W. H. PHIPPS.** La France-pink overlaid with light rose-salmon, lighter toward the center. Lower petals very faintly striped and speckled with ruby. Flowers enormous. A masterpiece in Gladioli. Each, 40c; doz., \$4.50; 100, \$35.00.

## WHITE VARIETIES

**ALBANIA.** The color is of purest glistening white, the flower wide open, four inches and over in diameter; petals are broad, with well-rounded tips, and the finely ruffled edges of the petals give to the individual flower an artistic finish such as is seldom seen in the Gladiolus. Price, each, 20c; doz., \$2.00; 100, \$15.00.

**CARMEN SYLVA.** One of the best of the white varieties. A pure white except for slight violet markings deep in the throat. Tall, slender stem always straight, flowers well arranged on the spike. Many open. Each, 15c; doz., \$1.50; per 100, \$10.00.

**FERN KYLE.** A large ruffled flower of creamy white color. Vigorous grower. Creates a sensation wherever shown. Introduced at \$25.00 per bulb. Each, 20c; per doz., \$2.00; 100, \$15.00.

**HENRY C. GOEHL.** Flowers large and well opened; with broad segments of solid white slightly flushed pink. A deep crimson blotch on the lower segments. Spike is good with well-placed flowers, and five to seven open at one time. Each, 25c; doz., \$2.50; 100, \$18.00.

**HOLLYHOCK.** Large, ruffled flowers, perfectly round in shape. The color is a beautiful white, blotched with red. Each, 50c; doz., \$5.00;

**INCONTESTABLE** (syn. *Mme. Sully*). (Alkemade). Ivory-white, with carmine blotch in throat. Each, 50c; doz., \$5.00.

**LA BEAUTE.** A very good white. Each, 20c; doz., \$2.00; 100, \$15.00.

**L'IMMACULEE.** Pure white. Each, 15c; doz., \$1.35; 100, \$9.00.

**LENE GRAETZ.** A white Gladiolus of first rank, stalks tall, slim and wiry, flowers large, wide open and well placed. This is a very productive variety; also a very strong grower and has magnificent dark foliage. Each 15c; doz., \$1.25; 100, \$8.00.

**LORELY.** Is a large pure creamy white, wide open flowers, rounding petals and flowers well placed on the stem. Each, 20c; doz., \$2.00; 100, \$15.00.

**LOVELINESS.** Perfectly-shaped flowers of cream suffused with apricot. Each, 15c; doz., \$1.50; 100, \$10.00.

**MARIE KUNDERD.** Beautiful ruffled flowers of purest white. Each, 15c; doz., \$1.50; 100, \$10.00.

**MARY PICKFORD.** Creamy white, throat soft sulphur-yellow. Each, 10c; doz., \$1.00; 100, \$7.00.

**MISS HELEN FRANKLIN.** Ruffled type, a good white with violet markings on the lower petals, vigorous tall spike with from six to ten flowers open at one time. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*MRS. W. S. BREWSTER.** White overlaid bluish; blotched brilliant red, with a creamy halo. Each, 20c; doz., \$2.00; 100, \$15.00.

**MRS. DR. NORTON.** Pure, soft white, with tips of petals suffused La France Pink. Wonderful variety. Each, 15c; doz., \$1.50; 100, \$10.00.

**PEACE.** Very large, nearly white, with pale violet feathering on lower petals; flowers correctly placed on a tall, graceful spike. Each, 10c; doz., 75c; 100, \$5.00.

**PUREST OF ALL.** A pure white variety with an excellent spike and large flowers. Each, 35c; doz., \$3.50; 100, \$25.00.

**WHITE EMBLEM.** Pure white with long narrow petals. Each, 15c; doz., \$1.50; per 100, \$10.00.

**\*WHITE PENDLETON (500).** This is a white sport of the well-known variety, Mrs. F. Pendleton. It is a pure white with a dark blotch in the throat which makes it very attractive. Each, 25c; doz., \$2.50; 100, \$18.00.

**WHITE PERFECTION—**Absolutely pure white. Its stems are straight. Elegant appearance. Each, 15c; doz., \$1.50; per 100, \$10.00.

## YELLOW SHADES

**FLORA.** Beautiful canary-yellow, with scarcely any markings. Considered the best yellow. Each, 15c; doz., \$1.50; 100, \$10.00.

**GOLD.** Pure golden yellow, throat a shade deeper, slightly dotted and streaked, almost self-color. Large flowers, many open at one time and perfectly placed. A grand variety. Each, 15c; doz., \$1.50; 100, \$10.00.

**GOLDEN MEASURE.** Very large, dark golden yellow; the best in the yellows. Each, 20c; doz., \$2.00; 100, \$15.00.

Illustrated on outside back cover.

## YELLOW SHADES—Continued

**MISS T. ROSE.** Creamy yellowish pink; in color very much like a tea rose. Graceful spike—exquisite variety. Each, 15c; doz., \$1.50; 100, \$10.00.

**ORANGE GLORY.** Bright orange, with slight purple and white markings in throat. Each, 15c; doz., \$1.60; 100, \$12.00.

**OWOSSO.** Cream-yellow, deeper on lower petals. Winner in National Gladioli Convention. Each, 15c; doz., \$1.60; 100, \$12.00.

**SCHWABEN.** Clear canary-yellow, shading to soft sulphur. Largest flower stalk and leaves of all. Planted 7 or 8 inches apart in rich soil produces wonderful blooms. Each, 10c; doz., 90c; 100, \$6.00.

Illustrated on inside back cover.

**SIDNEY PLUMMER.** Beautiful soft yellow, suffused delicate pink. Rich amber lip, amaranth purple tongue. An exquisite color combination. Blooms large, well-placed, and slightly ruffled. Many open at one time. A very fine yellow. Rated by Mr. Chas. E. F. Gersdorff at 95, both as a commercial and exhibition flower. Each, 25c; doz., \$2.50; 100, \$18.00.

## BLUE SHADES

**ANNA EBERIUS.** Dark velvety purple, throat deeper. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*ANNIE MAY (44).** Season 100 days. A beautiful lilac shade with pure white throat, enormous spike sometimes growing 5 feet tall. A beautiful giant lavender-carmine. Each, 15c; doz., \$1.00.

**BARON J. HULOT.** The leading purple variety. Each, 15c; doz., \$1.25; 100, \$8.00.

Illustrated on inside back cover.

**CAPTAIN BOYNTON.** One of the nicest lavender colors in existence, with little darker spot on lower petals. Large flowers well-placed on stems. Each, 20c; doz., \$2.00; 100, \$15.00.

Illustrated on outside back cover.

**DEUIL DE SAINT PIERRE.** Handsome spike, very large, well-expanded flowers, ashy rose, striped and suffused with violet; purplish red blotch. Very fine plant. Each, 35c; doz., \$3.50.

**DESDMONE.** Ashy rose striped lilac; large dark red blotch edged ivory-white. Immense spike of very large double-row flowers, well-placed. Each, 15c; doz., \$1.50; 100, \$10.00.

**FAIR COLUMBIAN.** Pure lilac, shaded deeper in center. Each, 15c; doz., \$1.50; 100, \$10.00.

**FLORENCE.** Bright lilac, white blotch on lower petals. Notably tall spike with many flowers; the best lilac. Each, 20c; doz., \$2.00; 100, \$15.00.

**HERADA.** Blooms of immense size on tall, straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. Each, 10c; doz., 90c; 100, \$6.00.

**IRIS.** Flowers of a very curious slaty blue color, slightly flamed with red; small white blotch, spotted with carmine-red. Each, 50c; doz., \$5.00.

**LA COMETE.** Well-expanded flowers of violet-lilac, blotched white. Each, 20c; doz., \$2.00; 100, \$15.00.

**LAVENDER PRINCESS.** One of the finest light lavenders. Price, each, 35c; doz., \$3.50; 100, \$25.00.

**LOUISE.** Beautiful lavender. Each, 15c; doz., \$1.25; 100, \$8.00.

**MARY FENNELL.** Deep lilac, shading paler. Soft primrose-yellow throat. Each, 15c; doz., \$1.35; 100, \$9.00.

**MRS. COTHRAN.** Iridescent Corinthian-Red and Ashes of Roses. Each, 20c; doz., \$2.00; 100, \$15.00.

**MRS. FREDERICK C. PETERS.** Beautiful shade of rose-lilac, with crimson blotch bordered white on lower segment; resembling an orchid in color. Flowers of large size and many open at one time on a strong stem. Healthy plant with good green foliage. Each, 15c; doz., \$1.60; 100, \$12.00.

**\*MRS. H. A. CAESAR.** The length of spike is about the same, but it produces more buds, frequently showing five to eight open flowers, well-placed on the spike. The color is a beautiful lavender shading to lilac with a yellow dash in the lower petals. Price, prepaid each, 15c; doz., \$1.35; 100, \$9.00.

**OTHELLO.** Bright violet-purple with long spikes. Very strong grower and a rare color. Each, 50c; doz., \$5.00.

**PAUL PFITZER.** Very shining iris-purple, with glowing velvety violet center. Very large, broad flowers of excellent shape. Each, 35c; doz., \$3.50; 100, \$25.00.

**PURPLE GLORY.** Ruffled, velvety maroon-red, black blotches. Each, 20c; doz., \$2.00; per 100, \$15.00.

**PURPLE SPOT.** Violet-red. Each, 10c; doz., \$1.00; 100, \$6.00.

## BLUE SHADES—Continued

**REV. EWBANK.** A beautiful light lavender of porcelain-blue; distinct and pretty. Each, 20c; doz., \$2.00; 100, \$15.00.

**ROSE ASH.** (Ashes of Roses.) A new color in gladioli. A wonderfully vigorous grower. Each, 15c; doz., \$1.25; 100, \$8.00.

**ROSS VALLEY.** Mouse color, very odd shade. Each, 15c; doz., \$1.50; 100, \$10.00.

**SAPPHO.** Medium-sized blossoms of smoky blue, with throat blotches of pale cream. A beautiful variety, excellent for hybridizing work. Each, 75c; doz., \$7.50; 100, \$50.00.

**SPHINX.** Lilac-red flowers, purple-red blotch. Each, 15c; doz., \$1.50; 100, \$10.00.

Illustrated on outside back cover

**SYDONIA.** Rich purplish violet, with the blooms well-placed on a tall, slender stem. Each, 25c; doz., \$2.50; 100, \$18.00.

**VIELCHENBLAU.** The first large-flowering blue gladiolus introduced. The color is a beautiful violet blue, lightening toward the center. The entire flower appears, at the first glance, to be made of blue velvet the sheen is so beautiful. Each, \$2.00; doz., \$20.00.

**VIOLET GLORY.** Massive flower. Rich self-color, deep violet; deeper throat. Medium ruffled. Each, 25c; doz., \$2.50; per 100, \$18.00.

## PRIMULINUS TYPE

**ALICE TIPLADY.** Orange-saffron. Each, 10c; doz., 90c; 100, \$6.00.

**MAIDEN BLUSH.** An exquisite pink with lighter throat. Very dainty flower on graceful spike. Each, 10c; doz., 75c; 100, \$5.00.

**\*MARY VIRGINIA.** The bulbs increase rapidly and grow very large, throwing flower spikes 3 and 4 feet in length. The color of the flower is a delicate cream yellow. The upper petals suffused with peach-blossom pink. The shading is exquisite. Price, each 20c; doz., \$2.00; per 100, \$15.00.

**\*MRS. L. S. HUBBARD (344).** Season 68 days. Prim. Hybrid seedling of very distinct and exceptional color. It is early, prolific. Massed together in a bouquet the general appearance is a beautiful plum color. Each, 15c; doz., \$1.50; per 100, \$10.00.

**ORANGE QUEEN.** Apricot-orange. This quite new shade without any competition and the excellent substance of this variety bought every one who has seen it. Each 20c; doz., \$2.00; per 100, \$15.00.

Illustrated on outside back cover.

**\*RIDINGHOOD (337).** A real bright Red Primulinus Hybrid. Slender stems and a typical primulinus type. Very showy. Each, 15c; doz., \$1.50; 100, \$10.00.

**ROSE LUISANTE.** Light pink with softer shade in center, well arranged flowers. Price, each, 15c; doz., \$1.25; 100, \$8.00.

**SALMON BEAUTY.** Very large-flowered Primulinus. Deep salmon, rich salmon-yellow throat. Each, 15c; doz., \$1.50; per 100, \$10.00.

**SCARLET BEDDER.** A most welcome newcomer in the primulinus family. This beautiful scarlet flower, is large and glowing, yet the color is soft enough to be in harmony with the general pastel tones of the primulinus hybrids. The different growers throughout the country are quite in accord with us in feeling that this "glad" has a big future. Each, 75c; doz., \$7.50.

**\*SUNBEAM.** The graceful form of the Primulinus type insures its popularity in the Decorative Class. Color, clear yellow, long slender spike. Each, 10c; doz., 90c; per 100, \$6.00.

**SOUVENIR.** One of the best yellow Primis. Large flowers of purest color. Each, 15c; doz., \$1.25; 100, \$8.00.

**HYBRIDS (mixed).** The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers they are ideal for vases. Each, 10c doz., 75c; 100, \$5.00.

## GLADIOLI IN MANY COLORS

These bulbs here quoted in color shades are made from choice named varieties.

Blue Shades. Doz., \$1.35; 100, \$9.00.

Pink. Doz., 75c; 100, \$5.00.

Scarlet and red. Doz., 75c; 100, \$5.00.

Striped shades. Doz., 90c; 100, \$6.00.

White and light. Doz., 75c; 100, \$5.00.

Yellow shades. Doz., \$1.00; 100, \$7.00.

\*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York

The price for single bulbs and by doz. as above, include free parcel post delivery through 5th zone.

For prepayment to further zones, add 5c doz.



# Miscellaneous Spring Bulbs

## Bulbs Shipped Separately from Seeds

### Amaryllis, Giant-Flowered



AMARYLLIS

Single Sorts—White, red, orange, salmon, rose.

Price, 4 for \$1.30; doz., \$3.00; 25 for \$5.00, prepaid.

Double Sorts—Same color as single varieties.

Price, 4 for \$1.50; doz., \$3.50; 25 for \$7.00, prepaid.

Basket Variety. Used for hanging baskets. 4 for \$1.50; doz., \$4.00; 25 for \$7.00.

### Caladium Esculentum

(Colocasia Antiquorum Esculenta.)

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 35c, prepaid; doz., \$1.35; 25 for \$2.25, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 60c, prepaid; doz., \$2.25; 25 for \$3.75, not prepaid.

Mammoth Size—12-inch and up circumference. Mailing weight, 17 lbs. per doz.

Each, 50c; 3 for \$1.25, prepaid; doz., \$4.25; 25 for \$7.75, not prepaid.

### Cinnamon Vine

(Dioscorea Batatas)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Medium Size Roots, 2 for 15c; doz., 80c, prepaid.

Large Roots, each, 15c; 3 for 35c; doz., \$1.25; 25 for \$2.00, prepaid.

### Gloxinias

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leafmold, some sand, and well-rotted manure. Place the pots in a warm window and keep them moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight. Just before the plants come into bloom an application of very weak liquid manure is of great benefit.

Price, each 50c; 3 for \$1.35; doz., \$5.00, prepaid.

### Hyacinthus Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Mammoth Size, each, 20c; doz., \$2.00, prepaid.

Due to weather conditions during January, February and early March we prefer to send out Bulbs after March 20th unless it is our customers located in the South or California. To those customers we will ship at once packed against freezing. To insure the best results from Bulbs, customers should open the package upon arrival and in case Bulbs can not be planted at once they should be placed in a dry and frostproof cellar.

### Golden Yellow Calla Lily



CALLA LILY

Zantedeschia Oculata. Yellow Calla Lily (Calla Elliotiana) — Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us and can supply at very reasonable prices. At following prices all prepaid:

Bulbs, 1½-inch, 25c; 3 for 70c; doz., \$2.50.

### Ismene Calathina

(Hymenocallis)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy.

Price, each, 30c; doz., \$3.00, prepaid.

### Madeira Vine

(Boussingaultia Baselloides.)

One of the best and most popular climbers for foliage effect. Increases very rapidly.

Price, each, 10c; 3 for 25c; doz., 90c; 25 for \$1.75, prepaid.

### Montbretias

Mixed Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut-flowers and can be grown in flower-pots in the house. Montbretia bulbs are quite hardy and should be planted early in the spring, choosing a warm, sunny location. A sandy loam with good drainage, to which has been added some well-rotted stable manure, will give the finest flowers. When the plants come into flower, plenty of water should be given to help the free development of the flower-spikes. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

Special Mixed. Price, each 15c; 3 for 40c; doz., \$1.40.

### Oxalis

Summer-Flowering—These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. The colors we can supply are white, red, pink.

Price, either color, doz., 30c; 25 for 50c; 100 for \$1.75, prepaid.

### Tuberose, Double and Single

(Polianthes Tuberosa.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

Mammoth Bulbs—Each, 20c; 3 for 55c; doz., \$2.00; 25 for \$3.75, prepaid.

### Excelsior Dwarf Pearl

First Size—Each, 10c; doz., \$1.00; 25 for \$1.75, prepaid.

Second Size—Price, each, 5c; doz., 50c; 25 for 90c, prepaid.

Armstrong's Ever-Blooming—This variety blooms year after year and has a fragrance similar to the "Jasmine."

Price, each, 10c; doz., 75c, prepaid; 25 for \$1.40, prepaid.

Silver-Leaved—An early single flower, with striped leaves.

Price, each, 10c; doz., 75c; 25 for \$1.40, prepaid.

Albino—Branching single variety, early and very free-flowering.

Price, each, 10c; doz., 75c; 25 for \$1.40, prepaid.

Mexican Tuberose—They have tall, stiff stems, flowers pure white, single true tuberose fragrance.

Price, each, 5c; doz., 50c; 25 for \$1.00, prepaid.

### Tigridia

(Shell-flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. Blooms from middle of July to September.

Mixed. Price, each 25c; 3 for 70c; doz., \$2.50, prepaid.

### Zephyranthus { Fairy Lily Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, each, 10c; doz., \$1.00; 25 for \$1.75, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 20c; doz., \$2.00; 25 for \$3.75, prepaid.



# Vaughan's Cannas

**M**OST distinct and interesting collection of Cannas, both rare and effective. When planted in masses of one variety they are very effective. Be careful in ordering and planting Cannas to note height of growth so that when in groups, tall ones are at the back, smaller at the front or that kinds of about one height are planted together. All varieties have green foliage unless otherwise specified. Plants are from three-inch pots.

Each price of plants include prepayment to fourth zone. 6 of one variety at dozen rate. 25 of one variety at 100 rate.

## The Four Leaders

### \*King Humbert

4 feet. Scarlet flowers, bronze leaves; greatest favorite today. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

### \*Yellow King Humbert

4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. An orchid flowering sport of the well-known variety King Humbert. Some plants will occasionally give a scarlet or scarlet-striped flower, which we consider an improvement rather than a defect.

### Hungaria

3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. Three-inch pots, each, 35c; doz., \$3.25; 100, \$20.00.

### The President

4 feet. In color a rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong erect stalks well above the heavy foliage. Free-bloomer and strong grower.

Price, except where noted, three-inch pots, each, 30c; doz., \$3.00; 100, \$15.00.

**SPECIAL OFFER No. 100.** One each of the above four Cannas, three-inch pots, postpaid, for \$1.25.



**SHENANDOAH**

## Vaughan's Choice Varieties

**Allemania.** 5 ft. Bright scarlet with yellow border; green foliage.

**Ambassador.** 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage; petals measuring from 2 to 2½ inches across. Plant is very vigorous. Price, three-inch pots, each, 40c; doz., \$3.50; 100, \$25.00.

**Apricot.** 4 feet. The color is a buff-yellow base overspread with salmon-pink, making a mass effect of rich apricot.

**City of Portland.** 3½ feet. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. Distinct among the several really worth while pink Cannas.

**Eureka.** 4 feet. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert. A robust grower, forming sturdy, shapely plants quickly.

**Kate Gray.** 6 ft. Green foliage. Scarlet and yellow.

**King Midas.** 5 feet. A rich deep gamboge yellow, unadulterated and remarkably permanent. Extra free-bloom, just nicely clearing the leaves in bulky self-cleaning trusses. A good deep yellow variety. Price, three-inch pots, each, 35c; doz., \$3.25; 100, \$20.00.

**Mrs. Alfred F. Conard.** 4 feet. Flowers salmon-pink of large size on finely shaped flower heads.

**\*Nokomis.** Large vivid crimson flowers with a rich, silky sheen on the large petals. Bronze foliage.

**Rosea Gigantea.** 3 to 4 feet. A magnificent showy Canna of a rose to carmine-pink shade. Flower heads of immense size.

**Shenandoah.** 4 feet. Pink. Exactly like Mrs. Alfred F. Conard, except that the foliage is light Bronze.

**\*Statue of Liberty.** 6 feet. An extremely vigorous grower with bronze foliage and large orange-scarlet flowers.

Price, except where noted, three-inch pots, each, 30c; doz., \$3.00; 100, \$15.00.

**SPECIAL OFFER No. 100A.** One each of above 12 varieties, postpaid for \$3.00.

## Vaughan's Standard Varieties

**Austria.** Green foliage. Yellow with crimson spots.

**Chas. Henderson.** 4 feet. Crimson flowers. Good bedder and strong grower.

**Crimson Bedder.** 3½ ft. Crimson. Green foliage.

**David Harum.** 3½ feet. Dark bronze foliage. Strong grower and one of the freest-blooming Cannas we have.

**Florence Vaughan.** 5 feet. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.

**\*Frederick Benary.** Flowers are currant red with an orange throat and yellow border.

**Gladiator.** Deep yellow dotted with red. Green foliage.

**Long Branch.** Scarlet with a yellow border; green foliage.

**\*Louisiana.** 6 feet. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 inches across. Foliage a glossy green.

**Meteor.** 4½ ft. Green foliage; deep crimson.

**Queen Charlotte.** 4 feet. Rich orange-scarlet with a broad gilt edge.

**Venus.** 3½ feet. A soft rosy pink with a pretty mottled border of creamy yellow.

**\*Wintzer's Colossal.** 5 feet. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.



**PRESIDENT**

**\*Wyoming.** 5 to 6 feet. Bronze foliage. Flowers a beautiful shade of orange.

Price, three-inch pots, each, 25c; doz., \$2.50; 100, \$15.00.

**SPECIAL OFFER No. 100B.** 5 plants of the above varieties, our selection carefully labelled and all different, postpaid for \$1.00.

**SPECIAL OFFER No. 100C.** 12 plants of the above varieties, our selection carefully labelled and all different, postpaid for \$2.00.

**All Cannas marked (\*) are Orchid Flowering Varieties.**

Number of Cannas required for round beds planted eighteen inches apart each way for the following sizes: Seven feet—nineteen plants, one for center; six for first row, twelve for second or outside row. Ten feet—thirty-seven plants, one for center; six for first row, twelve for second row, eighteen for third or outside row. Thirteen feet—sixty-one plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth or outside row.

Vaughan's Seed Store, Chicago, Ill.

A few seasons ago I bought several packages of Vaughan's seeds and must say I never saw such lovely asters and snapdragons. The poppies and euphorbia, larkspur and calendula come up thick every year and I have never made another sowing.

Respectfully,

MRS. N. B. WISE,  
1216 E. Taylor St., Kokomo, Ind.





AMUN RA OR THE SUN-GOD

# Vaughan's Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants** of the newer varieties and strong tubers of proper planting size as marked preceding the list of varieties. Pot plants we do not advise planting before **May 15th**. With good care and soil the pot plants make a good growth, brighter colored flowers and larger blooms. Please state if you want a substitute, should our supply of any variety become exhausted.

## Four Leading Decorative Dahlias

**AMUN RA OR THE SUN-GOD.** This is one of the most sensational of the new Dahlias. It is distinct both in color and formation, and while a giant in size it is perfect in shape. The outer petals are of gorgeous copper and orange tones shading to gold and amber, deepening in the center to a dark reddish brown. The stems are stout and hold the immense flowers well above the strong, vigorous plants. The flowers keep for days when cut and last a wonderfully long time on the plant. Price, Tubers, each, 75c.

**JERSEY'S BEAUTY.** (Decorative.) A variety of supreme merit and one that is really perfect. No other Dahlia so far introduced can measure up to it; it is the standard by which to judge all others. The color is true pink without any markings, flowers of perfect shape produced on long, straight, stiff stems. Very free bloomer and a splendid keeper. Price, Tubers, each, 75c.

**JUDGE MAREAN.** A very large flower of perfect decorative shape. The colors changing as the flowers pass through different stages of development, are a combination of glowing salmon-pink, red, iridescent orange, yellow and gold, all blending most harmoniously. It is an early and continuous bloomer with long, perfect stems. Price, Tubers, each, 75c.

**MRS. IDE VER WARNER.** Large perfect flowers of a charming color; a deep mauve-pink on stout stems. A good grower and free-bloomer. Can be grown to a diameter of 11 inches. One of the best Dahlias in cultivation. Price, Tubers, each, 50c.

**SPECIAL OFFER No. 99.** One each of the above four Dahlias in strong tubers postpaid to 4th zone for \$2.50.

## Outstanding Late Introductions Decorative Varieties

Offered only in Pot plants ready June 1st

**BARBARA REDFERN.** Color is a delightful blend of old rose and old gold, immense size and great depth, flowers borne on heavy stiff stems. A particularly free-bloomer, plants tall and vigorous. Especially good keeper when cut. Price, each, \$2.50.

**EAGLE ROCK BEAUTY.** A more beautiful combination of pink and cream than is displayed in this glorious creation would be difficult to imagine. Vigorous in growth with good habit and stems which hold flowers erect. Immense blooms are full to center and produced in abundance. Price, each, \$2.50.

**JANE COWL** A massive deep decorative with petals curled and twisted. Color a glistening bronzy buff and old gold blending to a deeper shade toward center of flower, reverse of petals a pale flesh color giving the flower as a whole a warm glow. A stem of unusual strength holds the giant flowers erect over a plant of ideal growth. Foliage thick and leathery, insect resisting. Was the sensation of the New York Show of the American Dahlia Society. It won as Best Undisseminated Decorative Seedling, as well as the Garden and Home Builder Sweepstake Prize as best new Dahlia at New York. Price, each, \$5.00.

**JERSEY'S MASTERPIECE.** A bold and upstanding exhibition variety of strawberry pink, suffused gold at base of florets. This flower has almost the same formation as the old favorite Insulinde, but color far more beautiful. Stems strong and stiff. Foliage thick in texture. Flowers large and freely produced. Price, each, \$5.00.

## Outstanding Late Introductions Decorative Varieties—Continued

**WACHUNG SUNRISE.** It is a rich golden yellow, suffused amaranth-pink towards the outer petals. The flowers are enormous and when fully developed form a perfect sphere. It is a vigorous grower and the stems are perfect. Price, each, \$3.75.

## New Decorative Varieties

Offered in Tubers and Pot Plants

Tubers ready now. Pot plants ready June 1st.

**AMARILLO GRANDE.** A light yellow with broad petals and large flowers, in fact they are enormous and produced in abundance. A splendid new variety from California. Price, Tubers, each, \$3.00; Plants, each, \$1.50.

**EASTERN STAR.** The color is a soft saffron-yellow with old gold shadings. Flowers of great substance and good keeping qualities with full centers, held on strong, erect stems. A strong, vigorous grower and free-flowering. Price, Tubers, each, \$3.00; Plants, each, \$1.50.

**ELITE GLORY.** A distinctive new Dahlia. One of the finest among the exhibition varieties. Produces giant flowers, thirteen inches and more in average soil. The blooms are a brilliant red borne on long, heavy stems. Is of a compact sturdy bush growth, and a good keeper as a cut-flower. Price, Tubers, each, \$3.50; Plants, each, \$1.75.

**ELITE PEACH.** Exhibition blooms of salmon-buff held above a vigorous growing bush on fine strong stems. Its exceptionally lovely coloring attracts immediate attention at exhibitions. Price, Tubers, each, \$3.50; Plants, each, \$1.75.

**ELIZA CLARK BULL.** Immense White Dahlia. One of the largest and deepest flowers of its class and thrives especially well in the very hot weather. Excellent stem, which carries the flower well above foliage. Free-bloomer on bushes of medium height. Price, Tubers, each, \$2.50; Plants, each, \$1.25.

**JERSEY'S MAMMOTH.** Color a rich golden mahogany. The largest of the Jersey family having frequently reached fourteen inches in diameter. It is a vigorous grower and not very subject to the ravages of insects, but should be watched carefully in the early stages of its growth. Price, Tubers, each, \$2.50; Plants, each, \$1.25.

**MARGARET WOODROW WILSON.** An exhibition type of Decorative. Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems dark green foliage. Medium height bush. A Dahlia for all who want beauty, size and stem. An unusually deep flower. Price, Tubers, each, \$2.50; Plants, each, \$1.25.

**MARMION.** This is one of the very largest Decoratives and as an exhibition Dahlia it has few equals. It is a pure golden yellow with a bronze suffusion on the reverse of the petals. The flowers are massive and have a great depth. The form enhances the beauty of the flowers as the florets are long and wavy and are produced very freely on long cane-like stems. The foliage is thick in texture, tending to make it resistant to the attacks of insects. Price, Tubers, each, \$3.50; Plants, each, \$1.75.

**QUEEN OF THE GARDEN BEAUTIFUL.** A flower that has filled the dream of Dahlia lovers. One of the largest of all Dahlias. Measures from nine to twelve inches across, grown without forcing. It is a gigantic lemon-colored decorative with stems that are unusually strong, the blooms are wonderful keepers. Price, Tubers, each, \$3.50; Plants, each, \$1.75.

**THE LEMONADE.** Clear lemon-yellow, stiff upright stems, good habit of growth and an excellent keeper when cut. This Dahlia has attracted a great deal of attention in the field and show room on account of its large size and wondrous beauty. Price, Tubers, each, \$3.50; Plants, each, \$1.75.

**SPECIAL OFFER No. 99A.** One each of the above ten Dahlias in strong tubers prepaid to 4th zone for \$25.00.

**SPECIAL OFFER No. 99B.** One each of the above ten Dahlias in strong pot plants ready June 1st, prepaid to 4th zone for \$12.50.

## Choice Decorative Varieties

The following can be supplied in tubers only.

**AL KORAN.** Rich amber yellow blooms with wavy petals which make them very attractive. Price, each, \$1.00.

**BASHFUL GIANT.** Apricot with golden shadings. One of the largest Dahlias produced, excellent for exhibition purpose. Flowers produced on strong stems. Price, each, \$1.00.

**CARMENCITA.** Clear yellow, spotted, penciled and striped bright red. Plant dwarf and profuse bloomer; flowers large, occasionally a solid red or solid yellow flower. Price, each, \$1.00.

**CHAMPAGNE.** A warm autumn shade. Copper to golden. A good exhibition Dahlia having huge blooms on long, stiff stems. Price, each, \$1.00.

**CHARLES H. STRATTON.** A splendid exhibition Dahlia, extra large, pale gold shaded and tipped with old rose. Every flower of this variety comes very large and has consistently won as the largest flower in the show. Price, each, \$1.50.

**EARL WILLIAMS.** This is a giant-flowering dahlia attaining 12 inches in diameter, color brilliant scarlet and white variegated. Price, each, \$1.00.



## Choice Decorative Varieties—Continued

**ELLINOR VANDERVEER.** An incomparable Dahlia of exquisite beauty and great size, having every desirable quality. The large blooms are held aloft on long, leafless stems; in color a rich, glowing satiny rose-pink. The flowers are of great depth. An early bloomer and a fine cut-flower. Price, each, \$1.50.

**JERSEY'S BEACON.** The color is Chinese-scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower, and the stems are stiff enough to hold the large flowers erect. Has won the highest awards wherever shown, including most of the big Eastern shows. Price, each, \$1.50.

**JESSIE K. PRESCOTT.** A deep orange at the center, gradually shading to a creamy orange on the rows of outer petals. Stems, habit and freedom of bloom perfect. Price, each, \$1.00.

**MRS. ELEANOR MARTIN.** This is a California variety of exceptional merit. The coloring is unique different from all others. A beautiful mulberry with golden suffusion. The form is of best exhibition type. Very large flowers can be grown to ten inches in diameter on stiff long stems. Price, each, \$1.50.

**POP STEWART.** This is a remarkable flower of great size. Flowers when opening appear rosy pink but, as it matures, the flower undergoes a complete transformation, toning out into shade of the purest lilac-pink. It is a wonderful grower with splendid stem. Price, each, \$1.50.

**ROBERT TREAT.** A brilliant American Beauty rose shade. A strong vigorous grower, free-bloomer. Beautiful form and large size. Price, each, \$1.00.

**ROMAN EAGLE.** A flaming brilliant burnished copper color. Flowers held well above the dark green foliage on long stiff stems. Medium height and a profuse bloomer. Price, each, \$1.50.

**SAGAMORE.** An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff and wonderful keeping qualities when cut make this flower most desirable. Price, each, \$1.00.

**SISKIYOU.** Pink tinted mauve. One of the very largest flowers ever originated. Usually winning the prize for the largest flower in the show. Stems are strong, holding the bloom perfectly erect. Price, each, \$1.50.

**TRENTONIAN.** The color is that of an Indian skin, a wonderful blending of old gold, amber and coppery bronze, the whole forming a flower of marvellous brilliancy. The giant blooms are held erect on strong stems. Price, each, \$1.50.

**WIZARD OF OZ.** Immense size on rigid stems. Amber pink shaded salmon. Strong vigorous, grower and free-bloomer. One of the best. Price, each, \$1.00.

**SPECIAL OFFER No. 100.** One each of the above 17 Dahlias in strong tubers post-paid to 4th zone for \$18.00.

(Below)—PAPILLON—Cactus  
See page 101

## Standard Decorative Varieties

The following can be supplied in tubers only:

**AGNES HAVILAND.** A variety of very large size and perfect form; color a pleasing rosy mauve-pink. Price, each, 75c.

**ALEX WALDIE.** Large flowers of a creamy color overlaid with a delicate salmon-pink. The blooms are held well above the foliage. Price, each, 50c.

**CATHERINE WILCOX.** White, points of petals, tipped cerise. Price, each, 75c.

**CHARM.** Burnt orange, shading to yellow; strong stems, free-flowering and a good keeper. Price, each, 75c.

**DAKOTA.** Color a deep tone of rich coral-red with coppery suffusion, very large on strong stems. Price, each, 35c.

**DAVID HARUM.** Bright orange-scarlet with deep crimson shadings. Thick, wide petals, full to the center. Price, each, 35c.

**EMILY D. RENWICK.** Iridescent rose with gold shadings. Free-bloomer and strong stems. Price, each, 75c.



**AMBASSADOR—Cactus**  
See page 101

**JACK'S DISCOVERY.** White mottled with violet-rose. Flowers of medium size are borne on stiff stems. Price, each, 50c.

**JERSEY'S KING.** Begonia rose. Flowers very large and broad petaled; stems very stiff; very robust grower and free-bloomer. Price, each, 75c.

**JUDGE ALTON B. PARKER.** A magnificent golden-buff color, flowers very large which are carried erect on strong, stiff stems well above the foliage. Price, each, 75c.

**KING OF AUTUMN.** An entirely new shade of buff-yellow suffused with orange. Price, each, 35c.

**KITTY DUNLAP.** A pleasing shade of carmine-rose similar to the American Beauty shade. Has broad petals that roll slightly. A good keeper. Price, each, 75c.

**MILLIONAIRE.** Very large regular decorative form. Lavender-pink tinting to white at center. Price, each, 50c.

**MINA BURGLE.** Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 35c.

**MR. CROWLEY.** A plant of dwarf habit having blooms of a glowing salmon-pink with yellow at the base of the petals. Price, each, 75c.

**MRS. CARL SALSBACK.** A strong, vigorous grower, color a lively shade of solferino-pink with white suffusion which intensifies its color. Price, each, 50c.

**MRS. H. C. DRESSELHUYTS.** A new Dahlia of soft pink overlaid with white. Similar in color to the popular Delice, but a much more prolific bloomer. One of the best pinks for cut-flowers. Price, each, 50c.

**MYRA VALENTINE.** A beautiful shade of golden bronze. A tall, strong grower with long, stiff stems and very large flowers. Fine for cutting. Price, each, 75c.

**PATRICK O'MARA.** The color is an unusually soft and pleasing shade of orange-buff slightly tinged with beautiful deep rose-color. Price, each, 50c.

**PIERRE GIRARD.** Scarlet suffused with orange; good stem, strong grower. Price, each, 75c.

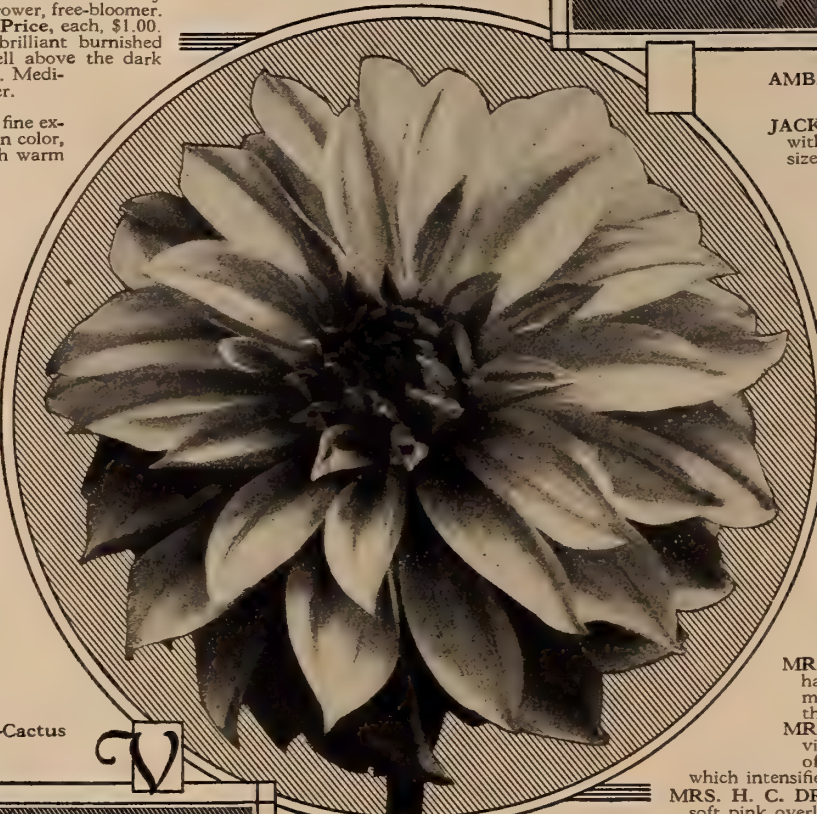
**PIONEER.** A rich mahogany-red of a darker shade of exhibition size on very long stems. Price, each, 75c.

**PRIDE OF CALIFORNIA.** Crimson-red, dark full center, good stems and keeper. Price, each, 75c.

**REVE D'AMOUR.** Petals irregular, making a pretty fluffy flower of large size, of a pleasing crimson-pink with salmon suffusion. Price, each, 35c.

**ROSA NELL.** It is not possible to find a better Dahlia of its color. The flowers are large, of best decorative formations; they are borne on long stiff stems; in good shape to the end of the season. It is of the brightest rose. A flower that always attracts attention. Price, each, 75c.

**SNOWDRIFT.** One of the best white decorative we have seen. A very deep built flower with broad, waxy pure white petals. The blooms open quickly, remaining perfect for a week. Fine for exhibition. Price, each, 75c.



**JERSEY BEAUTY—Decorative**  
See page 99

**GEORGE H. CARR.** Deep purple with velvet reflex. A deep full flower. Price, each, 75c.

**HAL VELLA.** An all-season bloomer producing rose-pink flowers that are deep and full. A good all-round Dahlia. Price, each, 75c.

**HENRY PATRICK.** A pure waxy white, blooms freely. Price, each, 35c.

**HOCHSAL.** A clear, golden orange, darker shaded center; free-flowering, early. Price, each, 35c.

**HORTULANUS FIET.** A Holland importation, creamy salmon shading to soft yellow. A free-flowering variety. Price, each, 75c.

**INSULINDE.** The finest Dahlia of distinct form with petals twisted and curled. Stems are 2 to 3 feet long and flowers 9 to 10 inches across. Color, rich saffron-yellow, shaded russet-orange. Price, each, 75c.

**JACK ROSE.** Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety. Price, each, 35c.





## Standard Decorative Varieties—Continued

**SYLVIA.** White, shading to soft pink on the outer petals. Price, each, 35c.  
**THE GRIZZLY.** Gives large, finely formed flowers on good stems. In color a rich crimson shaded maroon. Price, each, 75c.  
**SPECIAL OFFER No. 101.** Any ten selected from above at list price less 20%. Postpaid to 4th zone.

## Recent Introduction of Cactus Dahlias

Offered in tubers and pot plants. Tubers ready now. Pot plants ready June 1st.

**ALICE WHITTIER.** This splendid variety is a very delicate shade of primrose-yellow. The flowers are immense in size for a Cactus with good strong stems. Winner of the President's cup at the Boston Dahlia Show. Price, Tubers, each, \$3.00; Plants, each, \$1.50.  
**EDNA FERBER.** This is a splendid Hybrid Cactus. In color a glistening coral shading to old gold at the base of the florets. It is not a tall grower, yet is vigorous and the stems are good. It also has good heavy foliage which resists the attacks of insects. The flowers are large and it is a free-bloomer. Price, Tubers, each, \$5.00; Plants, \$2.50.  
**ELITE GEM.** A true American Cactus of fine form. Free-blooming on strong stiff stems. Color spinal pink bluish on primuline yellow at base; reverse of petals, rosaline purple exceedingly attractive. Price, Tubers, each, \$2.00; Plants, each, \$1.00.  
**ELSIE DANIELS.** Extremely full center of creamy white shading to a lilac-pink on outer row of petals. The low-growing bushes are wonderful producers of large flowers on straight stiff stems. An especially fine type of exhibition Hybrid Cactus. Price, Tubers, each, \$2.00; Plants, each, \$1.00.  
**KING SOLOMON.** Orange-buff in color with an iridescent sheen on its twisted petals. It is a compact low-grower, and the stems are very stiff. A free-bloomer and makes a good bedder, as it does not require staking. Price, Tubers, each, \$2.00; Plants, each, \$1.00.  
**SUN MAID.** Color is a beautiful soft blending of orange and gold. The flowers have great depth and are held erect on strong, stiff stems. This immense Dahlia has been awarded many first prizes in California. Price, Tubers, each, \$2.50; Plants, each, \$1.25.  
**SPECIAL OFFER No. 101A.** One each of the above six Dahlias in strong tubers postpaid to 4th zone for \$13.50.  
**SPECIAL OFFER No. 101B.** One each of the above six Dahlias in strong plants ready June 1st, postpaid to 4th zone for \$6.75.

## Choice Cactus and Hybrid Cactus

The following can be supplied in tubers and strong pot plants. Pot plants ready May 15th.

**AMBASSADOR.** (H. C.) The sensation Dahlia since its introduction. Its color is a soft yellow at the center with salmon, amber and pink shadings, gradually deepening toward the tips and outer floral rays. The flowers are of largest size and set on perfect stems. A strong grower and free-bloomer from early till late. Price, each, \$1.00.  
**CIGARETTE.** (H. C.) In color it is creamy white, heavily edged with pomegranate-red, but it varies greatly, no two flowers being exactly alike. The petals are long and inclined to roll, forming a large, deep, well-shaped flower of great substance on very long stems of best quality. Price, each, \$1.00.  
**CINDERELLA.** (H. C.) A fawn pink, shading to a tan center. Very large and deep flowers which are held erect on strong, stiff stems. Price, each, \$1.00.  
**EMMA MARIE.** (H. C.) A splendid new variety of real merit. A beautiful clear pink with creamy white center. Flowers are very large, of great substance on good erect stems, keeping well when cut. Price, each, \$1.50.  
**GLADYS SHERWOOD.** (H. C.) It is truly a wonderful Dahlia. Flowers over 10 inches in diameter, composed of long, curling petals of glistening white, forming a flower of unusual depth. These giant flowers are held erect on strong stems. Price, each, \$1.00.  
**ISLAM PATROL.** A gorgeously colored flower, a velvety crimson-scarlet tipped and flushed with pure gold. It is very early and holds its perfect shape to the end of the season. Price, each, \$1.50.  
**J. W. LEE.** Yellow suffused scarlet. One of the best from the Pacific Coast. Large size; a free-bloomer and strong grower with strong stem. Price, each, \$1.00.  
**JERSEY'S RADIANT.** (H. C.) An exceptionally appropriate name; a radiant Dahlia of bittersweet orange, produced on long, stiff stems held well above the foliage. A fine exhibition variety. Price, each, \$1.50.  
**NICHU.** An extremely large light sulphur-yellow of perfect formation. The flowers have fine, long, stiff stems and remarkable keeping qualities, lasting for days when cut. Price, each, \$1.50.  
**PAPILLON.** A highly rated cactus Dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. Price, each, \$1.00.  
**VIOLETTA.** (H. C.) Petunia-violet in color; flowers large on fine stems; free-bloomer and good grower. Price, each, \$1.50.  
**SPECIAL OFFER No. 101C.** One each of the above 11 Dahlias in strong tubers post paid to 4th zone for \$12.00.

## Standard Cactus and Hybrid Cactus

The following can be supplied in tubers only:

**ATTRACTION.** Large, elegant flower of a clear lilac-rose, borne on long stiff stems and a Dahlia of exceptional merit. A true peony-cactus type. Price, each, 50c.  
**AURORA.** Delicate reddish apricot, suffused with pink, shading lighter towards the tips of the petals. Price, each, 35c.  
**BALLET GIRL.** Very large cactus, with long finely quilled petals. Color orange tipped white; some flowers solid orange on same plant. Price, each, 75c.  
**BEATRICE.** An extremely large flower, one of our best, color a true lilac. Price, each, 35c.  
**BIANCA.** Lilac-rose, very free-flowering and a wonderful variety for cut-flowers. Price, each, 50c.  
**CALIFORNIA BEAUTY.** Pure copper. A strong and free-bloomer. Price, each, 75c.  
**COUNTRESS OF LONSDALE.** A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best. Price, each, 35c.  
**DADDY BUTLER.** (H. C.) Rosy carmine, reverse of petals lighter. Large, free-bloomer on stiff stems. Price, each, 75c.  
**ETENDARD DE LYON.** One of the best of the cactus type. Broad, wavy petals of a color between a rich carmine-rose and royal-purple. Price, each, 35c.  
**ESTHER HUNT.** A vivid orange-colored flower which makes a striking display. The blooms are composed of long, well-rolled petals serrated at the tips. Good stems. Price, each, 75c.  
**ESTHER HOLMES.** A deep lavender-pink. One of the best of the hybrids for cut flowers. Blooms freely, produced on long, stiff stems. Price, each, 50c.  
**F. W. FELLOWS.** Flowers of immense size composed of numerous long, narrow incurved petals of a lively orange-scarlet. Price, each, 50c.  
**FRANCIS LOBDELL.** (H. C.) Flowers large and of perfect form. Mellow pink shading to white in the center. Free-bloomer, splendid bedding and exhibition. Price, each, 50c.  
**GEORGE WALTERS.** (H. C.) Flowers of immense size. Color rich coppery, old gold, tinting to buff at center. A great popular favorite. Price, each, 50c.  
**GLADYS BATES.** Very large perfect flowers, with incurved petals of a golden salmon, the reverse of the petals being rose, the two colors giving the effect of a golden old rose. It is an early free and continuous bloomer with good stems. Price, each, 50c.  
**J. H. JACKSON.** A perfect gorgeous deep, velvety, blackish maroon. Gigantic in size. Every Dahlia lover should grow this variety. Price, each, 35c.  
**JEAN CHAZOT OR GAY PAREE.** (H. C.) Golden bronze with nasturtium red suffusion; a vigorous grower and profuse bloomer. Price, each, 75c.  
**KALIF.** (H. C.) Pure scarlet. A truly majestic flower frequently measuring 8 to 10 inches in diameter; strong grower. Price, each, 50c.  
**MARIPOSA.** (H. C.) A delightful shade of true pink which is intensified by a deeper center; a faint violet suffusion adds to the effect. An absolutely stiff stem rises nearly 3 feet above the foliage. Price, each, 75c.  
**MAC GREGOR (The).** (H. C.) Spectrum red with yellow at base of petals; an early and extremely free-bloomer. Price, each, 75c.  
**MILTON HOWARD.** Bright pink, tinted to white at the tips. Price, each, 75c.  
**MRS. ETHEL F. T. SMITH.** Creamy white shading to a lemon tint at the center. Immense flowers produced freely on long, stiff stems. Price, each, 50c.  
**MRS. HENRY R. WIRTH.** A splendid companion to Countess of Lonsdale, having all the qualities of the former. In color a rich glowing intense scarlet. Price, each, 35c.  
**NIBELUNGENHORT.** A giant plant producing giant blooms of a rich golden apricot suffused with old rose. It is a good exhibition variety and does well everywhere. Price, each, 50c.  
**RHEINISCHER FROHSINN.** Rich crimson carmine white at base of petals, distinct and striking. Strong grower and profuse bloomer. Price, each, 35c.  
**SUNSET GLOW.** Yellow at base of petals outer part overlaid flame-scarlet, lightly tipped yellow. Strong grower and profuse bloomer. Price, each, 50c.  
**WASHINGTON CITY.** Snow-white, of beautiful form and borne on long stems. Very large flowers. Price, each, 50c.  
**YELLOW KING.** An unusually large flower of pure yellow; very rich in color; freely produced on very long, stiff stems. Price, each, 35c.  
**SPECIAL OFFER No. 101D.** Any ten selected from above at list price less 20%. Postpaid to 4th zone.

## Show Fancy Dahlias

The following can be supplied in tubers only:

**A. D. LIVONI.** A beautiful soft pink flower with quilled petals. Price, each, 35c.  
**ANNA REHORST.** A deep shade of purple. Strong stem. Price, each, 50c.  
**D. M. MOORE.** A flower of mammoth size, produced in profusion on long, stiff stems. Its color is a deep velvety maroon. It has no equal in its color. Price, each, 50c.

## SHOW FANCY DAHLIES—Continued

**DREER'S WHITE.** Glistening white, resembling in form Grand Duke Alexis; free-flowering. Price, each, 35c.  
**DREER'S YELLOW.** Large, clear yellow with quilled petals and strong stem. Price, each, 50c.  
**ELSIE BURGESS.** Lavender-pink, of good size and form. A general favorite. Price, each, 35c.  
**GOLD MEDAL.** A Dahlia with autumn coloring, deep yellow, regularly striped dark crimson. A striking flower. Price, each, 50c.  
**J. K. ALEXANDER.** A deep lavender-pink. Price, each, 50c.  
**MAUDE ADAMS.** The color is a pure snowy white, very effectively overlaid clear delicate pink. Price, each, 35c.  
**MISS HELEN HOLLIS.** Large, bright red, with quilled petals; always full at the center. One of the best. Price, each, 35c.  
**ROBERT BROOMFIELD.** Show and fancy; pure white; of excellent form; highly recommended. Price, each, 35c.  
**STRADELLA.** Rich deep purple-crimson; very free-flowering; long stems. Price, each, 35c.  
**SPECIAL OFFER No. 101E.** One each of the above 12 Dahlias in strong tubers. Postpaid to 4th zone, \$4.00.

## Peony-Flowered Dahlias

The following can be supplied in tubers only:

**AVALANCHE.** A splendid pure white. An early and free bloomer.  
**JAN OLIESLAGERS.** Deep primrose-yellow; very large and free-flowering.  
**MRS. JESSIE SEAL.** A beautiful shade of old rose with salmon suffusion.  
**QUEEN WILHELMINA.** This is a splendid variety of this new type with immense pure white flowers, with yellow center.  
**TYRREL AUSTIN.** Outer petals a rich carmine-red, inner petals beautifully blended and veined carmine, shades of yellow and pink.  
**WM. KERR.** Yellow with shades of red and pink. Price: Any of the above Dahlias, each, 35c.  
**SPECIAL OFFER No. 101F.** One each of the above six Dahlias in strong tubers postpaid to 4th zone for \$1.75.

## Pompon Dahlias

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

The following can be supplied in tubers only:

**BACCHUS.** Bright scarlet. Price, each, 35c.  
**BILLIE TEECE.** Orange-yellow tipped rose. Price, each, 50c.  
**CARDINAL.** Cardinal-red. Price, each, 50c.  
**EUREKA.** Yellow shading to bronze. Price, each, 35c.  
**GRETCHEN HEINES.** Rose tinted white, each petal heavily tipped crimson-carmine. Price, each, 50c.  
**JANET.** Rich small saturine-red. Price, each, 50c.  
**LASSIE.** Yellow base, shading to carmine at tips. Price, each, 50c.  
**LITTLE HERMAN.** Deep red, tipped white; very free. Price, each, 35c.  
**LITTLE IRENE.** Light yellow. Price, each, 35c.  
**NEATNESS.** Creamy yellow with just a dash of bluish-pink at center. Price, each, 35c.  
**NERISSA.** A much admired soft mauve-pink. Price, each, 50c.  
**NELLIE FRAZER.** Light ground tipped rose. Price, each, 50c.  
**SNOWCLAD.** The best pure white pompon. Price, each, 35c.  
**SUNSET.** Brilliant orange scarlet. Price, each, 50c.  
**YELLOW GEM.** A perfect neat, bright yellow. Price, each, 50c.  
**SPECIAL OFFER No. 101G.** One each of the above 15 Dahlias in strong tubers. Postpaid to 4th zone for \$6.00.

## Century Dahlias

This giant-flowering type of single Dahlias are now very popular both for garden decoration and for cutting.

The following can be supplied in tubers only:

**GOLDEN CENTURY.** A rich golden yellow suffused with amber.  
**MAROON CENTURY.** Beautiful rich maroon, large yellow center. Erect, free-flowering.  
**PINK CENTURY.** Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.  
**SCARLET CENTURY.** Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.  
**WHITE CENTURY.** A profuse bloomer and a strong grower.  
**Price:** Any of the above dahlias, each, 35c.  
**SPECIAL OFFER No. 101H.** One each of the above 5 Dahlias in strong tubers. Postpaid to 4th zone, for \$1.50.

**UN-NAMED DOUBLE DAHLIAS.** Undivided field clumps in white, pink, yellow, red or variegated, good sorts. Price, each, 35c; doz., \$3.00, by express.

**MIXED SINGLE AND DOUBLE DAHLIAS.** Undivided field roots. Price, each, 25c; doz., \$2.50, by express.

**DAHLIA TUBERS.** In white, pink, yellow, red or variegated. Price each, 15c; doz., \$1.50, postpaid.





PAUL NEYRON

**PAUL NEYRON.** This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant; very floriferous.

## New Hybrid Tea Introductions

This class commonly known as monthly roses, blossom continuously. In severe winter climate they need complete protection. All plants of novelties are No. 1 grade.

**DAME EDITH HELEN** (Alex Dickson & Sons, 1926). Awarded Gold Medals by the National Rose Society of England and also at last spring's New York and Philadelphia Flower Shows. We question if any Hybrid-Tea Rose yet introduced promise to be such a valuable addition to our garden Roses as this wonderful new pink variety. The plant possesses a strong, vigorous constitution, the flowers are produced singly on well-foliaged strong canes throughout the season, these are of immense size, composed of very substantial broad petals which curl back prettily forming a wonderful long pointed bud which develops into a full double flower, and is absolutely perfect in every stage of development. The color is a brilliant yet soft Rose du Barri pink and is delightfully and strongly sweet-scented. \$1.75 each.

**EDITH NELLIE PERKINS.** (Alex. Dickson & Sons, 1928.) New this season. A Rose entirely distinct in its coloring and of such strong, robust growth that it should succeed anywhere and produce an abundance of its pretty colored flowers. The buds are long and pointed, the outside of the petals are of cream and blush shaded with orange at the base; the inner face is salmon-pink with golden orange base, the flowers are moderately double, produced on long stems and sweetly scented. \$2.50 each.

**MARGARET MCGREDY** (McGredy & Son, 1928). This is the third season that we have had this wonderful Rose under observation and we consider it one of McGredy's most brilliantly colored masterpieces, large, beautifully shaped full double flowers, entirely distinct from all others in its rich coloring, which is a brilliant shade of Turkish or Oriental-red, passing as the flowers age to a beautiful carmine-rose, these are borne on long stiff stems and hold their form and beauty for a long time. \$2.25 each.



MRS. E. P. THOM



MRS. A. R. BARRACLOUGH



PATIENCE



DAME EDITH HELEN

# Garden Roses

FOR Spring planting we have found that potted rose bushes give the best results. The plants you receive are in full leaf; possibly budded with the roots growing naturally in a ball of soil. All you need to do is to plant them in well prepared rose soil about 6 inches deeper than they were in the pot and water very thoroughly. Most varieties will bloom within a month from the time you plant them and continue throughout the season.

Properly cared for you may be sure that every plant will live and give results.

Number 1 stock is in 5 or 6 inch pots, from 2 to 3 feet tall, with 3 to 5 canes depending on the variety.

All orders are handled and packed by experienced hands. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

Ask for our pamphlet, "How to be Successful With Roses."

## Hardy Hybrid Perpetual Roses

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary near and north of Chicago.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungi will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time. Roses in general do not like to be near trees and shrubs so are grown by themselves.

**ANNA DE DIESBACH (GLOIRE DE PARIS).**

Brilliant carmine flowers, very full double and delightfully sweet. A vigorous grower and fine bloomer. One of the hardiest of the well-known, desirable roses.

**FRAU KARL DRUSCHKI (WHITE AMERICAN BEAUTY).** Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

**GEN. JACQUEMINOT.** Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

**GRUSS AN TEPLITZ. HT.** Rich scarlet, shading to a velvety crimson; very fragrant; a free, strong grower, in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions.

**J. B. CLARK.** Robust in growth, with clean heavy foliage. Flowers are large, deep scarlet, overlaid crimson.

**MAGNA CHARTA.** Deep pink, large sweet-scented and of fine form; one of the hardiest roses in cultivation.

**MRS. JOHN LAING.** Very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. A soft delicate pink with a satiny sheen; very fragrant, fully double.

**PERSIAN YELLOW (AUSTRIAN BRIAR).** The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

**ULRICH BRUNNER.** A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

**Prices on Hardy Perpetual Roses:**  
Each, \$1.00; doz., \$10.00; 100, \$75.00.

All roses shipped by express, collect.

**SPECIAL OFFER NO. 102.** One each of any 6 varieties of the above roses. \$5.00.

## Aquatics (Water Plants)

We have issued a special leaflet giving prices and cultural instructions. Ask for it.



# Bush and Climbers

## Hybrid Tea Roses

This class has resulted from crossing the Hardy Perpetuals with the Tea-scented varieties and possesses the hardiness of the first with the free-blooming habit and fragrance of the latter. All have long-pointed buds borne on strong stems which make them valuable as cut-flowers.

**COLUMBIA.** A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew.

**GENERAL MAC ARTHUR.** Rich crimson-scarlet, well-shaped flowers and very fragrant. Good disease resistant bedding rose.

**GRUSS AN TEPLITZ.** Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time.

**KAISERIN AUGUSTE VIKTORIA.** In color a soft pearl-white tinted with lemon in the center, remarkably fragrant. A strong, free, healthy grower.

**KILLARNEY DOUBLE WHITE.** A pure white sport of the famous and popular Killarney rose, identical in every way with its parent excepting in color.

**LADY HILLINGDON.** A beautiful coppery shade of apricot-yellow. A strong, vigorous grower and very free-flowering.

**LOS ANGELES.** Color pale pink and coral shaded with gold, large, very fragrant. Vigorous grower.

**MRS. AARON WARD.** Few roses attract so much attention as this beautiful variety. The flowers are full double, a distinct Indian-yellow, shading lighter towards the edges. A strong, vigorous, compact grower and free-bloomer.

**MME. BUTTERFLY.** A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free-grower and bloomer with large, handsome foliage free from mildew.

**MME. CAROLINE TESTOUT.** A strong grower, persistent bloomer, and very reliable. Large, globular flowers satiny rose, shading lighter near the outer edge of the petals. Fragrant.

**OPHELIA.** A delicate tint of salmon-flesh shaded with rose. The flowers are held erect well above the foliage and in great profusion all summer.

**PREMIER.** Rich deep rose-pink, double, nearly thornless. A robust grower, blooming all season.

**RADIANCE.** Brilliant rosy carmine shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.



SOUVENIR DE CLAUDIUS PERNET

**RED RADIANCE.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

**SOLEIL D'OR.** Orange-gold mingled with pink. Blooms very double and sweetly scented. Vigorous plant blooming freely.

**SOUVENIR DE H. A. VERSCHUREN.** A strong, vigorous grower. Flowers double, apricot-yellow shading to saffron-yellow, very fragrant.

**SOUVENIR DE CLAUDIUS PERNET.** Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received the Gold Medals at the Rose Show in Paris and at Antwerp.

**SUNBURST.** The color is intense orange-copper and golden yellow. Buds, long and pointed, opening full and double.

**TEMPLAR.** A clear even shade of red that does not change to blue or purple as the flower ages. It is a color that holds well at all times. It produces heavy dark green foliage which is almost disease-resistant. A vigorous upright grower.

### Prices on the above Hybrid Teas:

No. 1, \$1.00 each; doz., \$10.00; 100, \$75.00.

All roses shipped by express, collect.

**SPECIAL OFFER NO. 103.** Any 12 of the above for \$10.00.

**SPECIAL OFFER NO. 103A.** Any 6 of the above for \$5.00.

## Hardy Climbing Roses

Climbing roses have been constantly in demand, for vines are needed to decorate every home and when such also produce roses, the pleasure is magnified many fold. They are used as screen planting and in borders or for beautifying the unsightly; for ornamenting terraces, banks, rockeries, old stumps or boundary fences; and for covering archways, arbors, pergolas and summer-houses.

**AMERICAN PILLAR.** Very large, handsome flowers of light bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.

**CLIMBING AMERICAN BEAUTY.** A free-climber. Rosy crimson flowers, 3-4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

**CRIMSON RAMBLER.** Scarlet red flowers borne in sprays. Vigorous grower. One of the best for covering a trellis, porch or unsightly fence.

**DOROTHY PERKINS.** Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.

**DR. W. VAN FLEET.** The delicate flesh-pink flowers are full and double, open to an immense diameter; sweetly perfumed; beautiful bronze green foliage.

**EUGENE JACQUET.** The earliest and most profuse flowering of all the climbers. Fragrant cherry-red flowers in great profusion; handsome dark green mildew-resisting foliage.

**EXCELSA.** Flowers very double, produced in large trusses, thirty to forty on a stem; intense crimson maroon. Vigorous.

**FLOWER OF FAIRFIELD.** Its flowers, produced in profusion, are of a fine crimson color, more lasting and brilliant than the common Crimson Rambler.

**GARDENIA.** Buds yellow, creamy-white flowers with yellow centers. Vigorous grower and very hardy.

## Dwarf Polyantha Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border or bed.

**CHATILLON ROSE.** Flowers semi-double, about 1½ inches in diameter, a silvery crimson shading to a white center, in sprays of from fifteen to fifty flowers.

**BABY TAUSENDSCHOEN.** Dwarf Polyantha with its bountiful bouquets of creamy white saucer-shaped flowers. Every petal edged with rosy pink.

**CRIMSON BABY RAMBLER.** Still a favorite. Flowers in clusters of 30 to 40; the foliage dark and glossy. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

**ERNA TESCHENDORFF.** The color of the flower is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double, and are produced in constant succession throughout the whole season. It is free from mildew.



CLIMBING AMERICAN BEAUTY

**HEART OF GOLD.** Flowers single, medium size, dark crimson shading to white in center, in large panicles carrying as many as seventy-five blooms. Vigorous, hardy climber; profuse spring bloomer; dark green glossy foliage, mildew resistant.

**MARY WALLACE.** Pillar rose type. Makes a fine, strong, self-supporting rose 5 to 8 feet high with large, glossy foliage. Blooming with great freedom in spring and bears a considerable number of fine buds in summer and fall. Flowers well formed, semi-double, bright, clear rose-pink with salmon base to the petals. Largest in size of any Wichuriana Hybrids. Generally exceeding 4 inches in diameter.

**PAUL'S SCARLET CLIMBER.** A most important addition to the Climbing Roses; no other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

**ROSERIE.** This splendid new rose is derived as a sport from Tausendschoen, its flowers are a deep glowing pink.

**SEVEN SISTERS.** Medium-large, double deep pink flowers borne in clusters. A vigorous grower and very hardy.

**SILVER MOON.** Large creamy buds, produced in small sprays. Plant vigorous growing 15 to 20 feet in a season. A great cover.

**VEILCHENBLAU.** Semi-double, purple-rose flowers. The famous Blue Rose. Early. A wonderful combination when planted with pale yellow or cream varieties.

**WHITE DOROTHY PERKINS.** This beautiful rose is the counterpart of the well-known Dorothy Perkins, except in color which is pure white.

**Prices of above Hardy Climbing Roses:** From 5-inch pots, each, \$1.00; doz., \$10.00; 100, \$75.00.

**SPECIAL OFFER NO. 103B.** Any 12 of the above for \$10.00.

**SPECIAL OFFER NO. 103C.** Any 6 of the above for \$5.00. All roses shipped by express, collect.

**MISS EDITH CAVELL.** Brilliant scarlet-red with darker shadings. One of the most desirable deep colored varieties.

**IDEAL.** An intense rich lustrous garnet. The flowers are not large but are produced in very large trusses and are very effective.

**ORLEANS.** Brilliant geranium-red, suffused rose and deep cerise. Bushy habit; grows and blooms freely; flowers not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture.

Price of the above roses, from 5-inch pots, each \$1.00; doz., \$10.00; 100, \$75.00.

All roses shipped by express, collect.

**SPECIAL OFFER NO. 103D.** Any 6 of the above for \$5.00.

### CUSTOMER'S ASSORTMENT

Your selection of any Roses, priced at \$1.00 each, listed in our catalogue.

Special Offer No. 103E.....12 for \$10.00

Special Offer No. 103F.....6 for 5.00



# Rare Ornamental and The Newer and



KOLKWITZIA Amabilis (Beauty Bush)



DAPHNE Cneorum



HAMAMELIS Vernalis

## ACER

**Palatum Atropurpureum (Red-Leaved Japanese Maple).** Very striking as a specimen tree or small shrub on the lawn. The foliage is red in Spring, later changing to an attractive dark bronzy purple. The plants we offer are grafted and of the true red variety. 18 to 24 in., \$5.00.

## BERBERIS

**Thunbergi Atropurpurea (New Red-leaved Japanese Barberry).** Similar in all respects to the green-leaved Japanese Barberry which is so popular, but the foliage is of a rich, lustrous, bronzy red, similar to the richest red-leaved Japanese Maples. Instead of fading as the season advances, this new Barberry becomes more brilliant throughout the summer, and in the fall changes to vivid orange, scarlet, and red shades, more brilliant than in the ordinary Japanese Barberry. It bears the same scarlet berries common to the type, which remain on the plant the entire winter.

All that is required to develop its coloring at all seasons is to plant in full sun. 1-yr., each, 75c; per 10, \$7.00; per 100, \$60.00; 2-yr., each, \$1.00; per 10, \$9.00; per 100, \$80.00. We furnish 25 of a size at the 100 rate.

## CORNUS

**Mas Aureo-Elegantissima (Variegated Cornelian Cherry).** Tall-growing, with purplish red branches and beautiful green leaves with prominent silver-white markings, one of the choicest of variegated leaved shrubs, valuable in summer for its contrasting foliage and in winter for its bark. 2 to 3 ft., 75c.

## COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Plant in any good well-drained soil avoiding shade or moist situations.

**Divaricata.** One of the best of the species, especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The small, oval, dark green leaves turn a brilliant shade of crimson before they fall. 2 to 3 ft., balled and burlapped, \$2.00; per 10, \$17.50; 12 to 15 in., 4-in. pots, \$1.00.

**Francheti.** A distinct variety of loose, semi-erect growth, but with graceful drooping habit. Small oval leaves and masses of red berries. 18 to 24 inches, balled and burlapped, \$1.50.

**Horizontalis.** "Deservedly the most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter. 8 to 12 in., 4-in. pots, \$1.00; 12 to 15 in., balled and burlapped, \$1.75.

**Microphylla.** A prostrate variety with narrow, dark green lustrous leaves. Very showy scarlet berries. Especially suited for planting in the rockgarden. 8 to 10 in., 4-in. pots, \$1.50.

**Racemiflora Soongarica.** One of the most beautiful and best of the genus. Forms a broad rounded bush from 6 to 10 feet high and more in diameter; gray-green foliage. In September each long graceful branch is completely covered with brilliant coral-red fruit. 24 to 30 in., balled and burlapped, \$2.50.

## CRATAEGUS

**Oxyacantha Splendens (Paul's Double Scarlet Hawthorn).** The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub and makes a fine specimen for the lawn. 4 to 5 ft., branched, \$2.50.

## DAPHNE

**Cneorum (Rose Daphne).** One of the loveliest of all plants and a gem for the rockgarden or for edging borders. A dwarf evergreen shrub of trailing habit, with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravelly soil. In cold climates the plants should be protected during winter. 8 to 10 in., balled and burlapped, \$1.50 each; per 10, \$12.00.

## FORSYTHIA

**Intermedia Spectabilis (Showy Border Forsythia).** Considered the best of the Forsythias on account of its larger and richer yellow blossoms which completely cover the wide spreading branches in early Spring. 2 to 3 ft., 75c; 3 to 4 ft., 90c; per 10, \$8.00.

## HALESIA

**Tetraptera (Great Silverbell).** One of the handsomest of the flowering large shrubs. The foliage is dark green, the underside of the leaves covered with a gray down, making a silvery effect. In early May before the leaves are fully out, it is covered with a profusion of glistening white bell-shaped flowers, borne in small clusters or racemes, resembling snowdrops on the branches. It requires a well-drained rich soil in a sunny but sheltered position. 2 to 3 ft., \$1.00.

## HAMAMELIS

**Vernalis (Vernal or Winter-Blooming Witch-hazel).** Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in greatest profusion, have a delightful spicy fragrance, and vary in color from bright yellow to shades of old gold, reddish brown and maroon. The shrub grows from 5 to 8 feet tall and frequently gets to be as wide as tall. It gives the best results when planted in a sheltered place well open to the winter sun. Ought to be planted in every garden for its early flowering quality and abundance of bloom. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.

## JAPANESE FLOWERING CHERRIES

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. They are still scarce, although they will thrive in practically every state if planted in a fertile and well-drained soil and kept mulched for a few years. We are glad to be able to offer the following good varieties.

**Kwanzan (Sekizan).** Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep bronze-green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., \$5.00.

**Sieboldi (Naden).** A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., \$5.00.

**Yoshino (Yedoensis).** Nearly one thousand of this variety are planted in Washington, D. C. and attract thousands of visitors annually. The flowers are single, over one inch across and borne in the greatest profusion. The buds are red opening pink to nearly white and appear in advance of the leaves. The tree has pale gray bark and is a very vigorous grower. 4 to 5 ft., \$5.00.

## KOLKWITZIA

**Amabilis (Beautybush).** There are few flowering shrubs which can surpass this for beauty of form and flower. Its trumpet-shaped pink flowers, deep pink without, stained with yellow-brown on the lower throat and lip, are most freely produced, which fact combined with its graceful contour, makes the plant a striking object in the shrubbery border. Grows from 6 to 8 feet tall and fully that wide. Absolutely hardy and reliable and makes a wonderful showing in June. One of E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., extra bushy, \$2.50; 8 to 12 in., 4-in. pots, \$1.50.

## LONICERA

**Korolkowi Floribunda (Broad Blueleaf Honeysuckle).** A most attractive variety of twiggy growth, arching in habit, with a mass of gray-green foliage and great masses of delicate pink flowers carried high on the plants and producing a misty effect which is very beautiful. 18 to 24 in., \$1.00; per 10, \$8.50.

## MAGNOLIA

**Soulangeana.** Height about 20 feet and equally wide spreading. Vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy-pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., balled and burlapped, \$15.00; 3 to 4 ft., balled and burlapped, \$22.50.

## MALUS (Flowering Crab)

The Flowering Crabs have few rivals among the gorgeous spring-flowering ornamentals. They are small trees and their blooms range in color from deep carmine to the most delicate pinks. They make splendid specimens for the lawn, and when used in the shrubbery borders they enhance the value of the planting with their profusion of color.

**Atrosanguinea (Carmine Crab).** Similar to Floribunda, but with deep carmine flowers which do not fade. 3 to 4 ft., \$1.50.

**Baccata (Siberian Crab).** One of the earliest of the flowering Crabapples, producing quantities of white, fragrant flowers followed by small reddish fruit. Small, spreading tree; good foliage. 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.50; 5 to 6 ft., \$3.00.

**Bechtel's Double-Flowering.** Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.75; 4 to 5 ft., \$2.50; 5 ft. specimens, \$5.00.

**Coronaria (Wild Sweet Crab).** A low bushy tree with spreading spiny branches. Very fragrant pink flowers produced in clusters. The yellow-green fruit is fragrant and is frequently used for preserves. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

**Floribunda (Japanese Flowering Crab).** Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.



# Flowering Shrubs

## Better Varieties

### MALUS (Flowering Crab)—Continued.

**Niedzwetzkyana.** A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

**Sargentii.** A very dwarf spreading variety, excellent for the small garden. Flowers pure white succeeded by an abundance of small, dark red fruit that remain until Spring. 3 to 4 ft., \$2.00.

**Scheideckeri.** A very showy and early, free-flowering variety, with double, bright rose-colored blooms. Tree small, of pyramidal habit; fruit yellow and good for jelly. 4 to 5 ft., \$2.00.

**Single-Flowering Pink.** A small, strong-growing tree with heavy thick foliage. A very free-blooming variety producing in early spring a wealth of single pink blossoms and should be in every garden. 5 to 6 ft., \$2.50.

**Spectabilis (Chinese Flowering Crab).** Of pyramidal habit, and one of the largest of flowering Crabapples, sometimes attaining a height of thirty feet; Very large and fragrant pink single or semi-double flowers. 3 to 4 ft., \$1.50. 4 to 5 ft., \$2.00.

### PHILADELPHUS (Mock Orange)

There is a great variation in the different varieties of Mock Orange both in the habit of their growth and in their form of bloom. Some have vigorous, upright habit of growth, forming larger shrubs, and there are many dwarf varieties, with slender, arching branches and small leaves. All are refined and beautiful, and the different varieties can be grouped together most effectively.

#### The Better Varieties

**Binniere.** Tall-growing, with its long branches covered with a profusion of large semi-double snow-white flowers. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

**Dame Blanche (White Lady).** Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

**Favorite.** Large single flowers, 3 inches wide; pure white with golden stamens. Tall, erect growth and glossy foliage. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

**Glacier.** Very attractive double, rich cream color flowers, produced in clusters, giving the effect of one enormous flower. Matures to a height of five feet. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

**Norma.** Tall, upright grower. Unusually large, glossy white, single flowers in good size sprays. 18 to 24 in., 90c; 2 to 3 ft., \$1.00.

**Pyramidal.** Waxy white clusters of double flowers. Tall, erect and strong grower. 2 to 3 ft., \$1.00.

**Virginal.** One of the most beautiful shrubs grown. A vigorous, tall-grower, with very large double-crested flowers; pure white, sweet-scented, produced in clusters of five to seven. Has longest blooming season of any variety. 18 to 24 in., 90c; per 10, \$8.00; 2 to 3 ft., \$1.00; per 10, \$9.00; 3 to 4 ft., bushy, \$1.50; 3 to 4 ft., specimens, \$2.50.

**Special Offer.** One each of the above seven varieties of Philadelphus, 2 to 3 ft. size, for \$5.00.

### PHOTINIA

**Villosa (Chinese Christmas Berry).** This tree-like shrub produces one of the loveliest sights in the garden in October and early November when the foliage becomes a vivid crimson and the yellow fruits change to a brilliant red and remain on half through the winter. Of upright growth, liberally smothered in Spring with small white hawthorn-like blooms. 2 to 3 ft., \$1.00.

### PYRACANTHA

**Coccinea Lalandi (Laland Firethorn).** An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers, covered in fall with bright orange-red fruit. One of the finest berried shrubs. 15 to 18-in., balled and burlapped, \$2.00.

### NEW HYBRID RUGOSA ROSES

**F. J. Grootendorst.** A cross between Rugosa and the Crimson Baby Rambler. It should not be planted with the Hybrid Tea roses and such types, but it is valuable as an isolated specimen or among shrubs, or it can be used as an ever-blooming hedge. The flowers are double red, produced all summer, and the plants are perfectly hardy. 2-yr., \$1.00; per 10, \$8.00; 3-yr., \$1.25.

**Pink Grootendorst.** A variety similar in every way to F. J. Grootendorst, except that it bears its flowers of beautiful clear pink in clusters; they cover the plants the whole flowering season. The individual flowers are also somewhat larger and beautifully fringed. It is absolutely hardy. 2-yr., \$1.50.



ROSA HUGONIS



RUGOSA ROSE, Grootendorst

### ROSA HUGONIS (Golden Rose of China) (B)

Fine for shrub planting, as it reaches a height of 6 feet when fully matured. The long, arching branches are thickly set with the lovely single yellow flowers in May, and it is one of the earliest roses to bloom. Makes a very spectacular show. Never winter-kills. Strong 2-year-old plants, each \$1.50; per 10, \$12.00.

#### Three Outstanding Lilac Novelties

**Jan Van Tol.** Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$2.50.

**Katherine Havemeyer.** Double, cobalt-blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., \$5.00.

**Mrs. Edward Harding.** Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., \$5.00.

**Special Offer.** One each of the above three Lilacs for \$10.00.

### SYRINGAS (Lilacs)

#### New and Rare Varieties

\***Berryer.** Double, long trusses of semi-double mauve flowers. 18 to 24 in.; 2 to 3 ft.

\***Buffton.** Single; elegant cluster of flowers, mauve-pink with reflexed lobes. 18 to 24 in.

\***Claude Bernard.** Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 2 to 3 ft.

\***Descartes.** Single, mauve-pink; exceedingly free. 18 to 24 in.

**Diderot.** Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 18 to 24 in.

**Emile Gentil.** Double; large imbricated flowers, bright cobalt-blue; a very rare shade among lilacs. 18 to 24 in.

**Jean Mace.** Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety. 18 to 24 in.; 2 to 3 ft.

**Leon Gambetta.** Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 18 to 24 in.

**Louvois.** Single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 18 to 24 in.; 2 to 3 ft.

**Marchal Lannes.** Very broad panicles of double or semi-double flowers of amazing size; bluish violet. 18 to 24 in.

\***Mirebeau.** Single; mauve, the earliest of all. 18 to 24 in.

**Montaigne.** Double. Pinkish mauve, very large clusters. 18 to 24 in.

**President Faillieres.** Double; immense clusters, pale lavender. 18 to 24 in.

The varieties marked \* belong to a new class of Lilacs, the "Early Lilacs," a cross between one of the early flowering Lilacs and Syringa Giraldi; this latter Lilac has been recently introduced from China, and is remarkable for its flowering a week or two before the other sorts. A cross between it and of the early-flowering lilacs, originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Price of above: 18 to 24 in. each, \$2.50; 3 for \$7.00; 6 for \$12.00; 2 to 3 ft. each, \$3.00; 3 for \$8.00; 6 for \$15.00. Sizes which we have to offer noted after each variety.

### VIBURNUM

**Carlesi (Fragrant V.).** This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance quite surpassing any shrub we know of, and is considered by the Arnold Arboretum as Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 12 to 15 in., balled and burlapped, \$2.50; 12 to 15 in., not balled and burlapped, \$2.00; 18 to 24 in., balled and burlapped, \$3.00; 18 to 24 in., not balled and burlapped, \$2.50; 24 to 30 in., balled and burlapped, \$5.00; 2 to 2½ ft., balled and burlapped, \$7.50; 3 ft. specimens, balled and burlapped, \$10.00. (We do not prepay express charges on any balled and burlapped stock).

**Sieboldi.** A handsome, vigorous-growing, treelike shrub which has unusually large, thick leaves of glossy green. The flowers are white, produced in large clusters, and the fruit turns from bright red to black. Especially valuable in the fall on account of its ornamental leaves which it holds until late in November. 18 to 24 in., \$1.00.

### VAUGHAN'S NURSERY CATALOG

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request.



VIBURNUM CARLESI



# Vaughan's Hardy Climbing Vines

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wisteria to climb as high as the roof. Always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckle and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. The following are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. Even grapevines make a good covering.

## AKEBIA QUINATA

A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2-yr., 75c.

## AMPELOPSIS

**Engelmannii (Engelman's Ivy).** One of the hardiest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2-yr., 50c; per 10, \$3.50; 3-yr., 60c; per 10, \$4.00.

**Heterophylla (Porcelain Ampelopsis).** A handsome and refined climbing plant for use where a quick-growing, densely covered vine is desired. It is attractive all summer because of its ornamental, heart-shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. 3-yr., 75c; per 10, \$6.00.

**Quinquefolia (Virginia Creeper or Woodbine).** Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2-yr., 50c; per 10, \$3.50; 3-yr., 60c; per 10, \$4.00.

## AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2-yr., 65c; per 10, \$5.00; 3-year, 75c, per 10, \$6.50; pot-grown, \$1.00.

## ARISTOLOCHIA SIPHO (Dutchman's Pipe)

A vigorous and rapid-growing climber, bearing striking brownish-colored flowers, resembling a miniature pipe in shape. Its large, rich, glossy, dark green, heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. 2-yr., grafted, \$1.00; 3-yr., \$1.25; pot-grown, \$1.25.

## BIGNONIA RADICANS (Trumpet Vine)

A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., 50c.



WISTERIA

## CELASTRUS (Bittersweet)

**Celastrus Scandens (Climbing Bittersweet).** A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2-yr. vines, each, 60c; per 10, \$5.00; 3-yr., 75c; per 10, \$6.50.

## CLEMATIS

### CLEMATIS JAPANESE (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2-yr., 60c; 3-yr., 70c; pot-grown, 75c.

### LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They need rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

**Henryi.** Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2-yr., \$1.00.

**Jackmanii.** This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring. 2-yr., \$1.25.

**Mad. Edward Andre.** Flowers large, of a very beautiful bright velvety red, very free-flowering, and continuous bloomer. 2-yr., \$1.00.

**Gold Medal Collection.** One 2-year-old root, each, Jackmanii, Henryi and Mad. Edward Andre, \$3.00.

Can supply Large-Flowering Clematis in pot-grown plants after May 1st.

### VARIOUS SPECIES OF CLEMATIS

**Cocinne.** Bell-shaped flowers, bright coral-red; blooms from June until frost. Each, 75c. Pot-grown after May 1st.

**Crispa.** Fine deep blue, with a white border and deliciously fragrant. Each, 75c. Pot-grown after May 1st.

### HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

**Aureo-Reticulata.** A handsome variety with foliage netted and spotted bright yellow; flowers creamy white. 3-year, 75c.

**Heckrottii.** Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season. 2-yr., 75c.

**Sempervirens (Trumpet Honeysuckle).** Fuchsia-like scarlet flowers, very free and beautiful. 2-yr., 60c; per 10, \$5.00; 3-yr., 75c; per 10, \$6.50.



CLEMATIS PANICULATA

## HALL'S JAPANESE HONEYSUCKLE (Lonicera Halliana)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloom of all. 2-yr., 60c; 10, \$5.00; 3-yr., 75c; per 10, \$6.50.

## KUDZU VINE (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, each, 50c; per 10, \$4.00.

## MATRIMONY VINE (Lycium)

Well-known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong. 2-yr., each, 50c; per 10, \$4.00.

## POLYGONUM (Silver Lace Vine)

The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. This vine does well in the East, in the Middle West and the West. 2-yr., \$1.00; per 10, \$8.50.

## WISTERIA

**Magnifica (American Purple Wisteria).** A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, 75c; 3-yr., 85c.

**Sinensis Purple (Chinese Wisteria).** A very strong-growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flower sky-blue, in long, pendulous clusters. The plants we offer are grafts propagated from blooming wood. 2-yr., \$1.00.

**Sinensis Alba (White Chinese Wisteria).** Same as the Sinensis Purple except that the flowers are pure white. 2-yr., \$1.00.

## Vaughan's Nursery Catalog

LISTING and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request. We sell to customers at one profit, and our prices are much lower than those you will pay to salesmen. Our nurseries are at Western Springs, Ill., eighteen miles west of Chicago, on the C. B. & Q. Railroad. The grounds are on Wolf road, two blocks south of W. Forty-seventh street.



# Vaughan's Fancy Grass Seeds

## Fairway Mixture

For Fairways we recommend a simple, but very well-proportioned mixture of Kentucky Blue Grass and Red Top, which give excellent result and if properly cared for improves with age.

Price, lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.65; 10 lbs., \$5.25; 25 lbs., \$12.25; 50 lbs., \$23.00; 100 lbs. \$45.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

## Vaughan's Tennis Court Mixture

Undoubtedly the best there is, not only for Tennis Courts, but for Cricket Grounds, and Bowling Greens, made up of deep-rooting, hard-wearing grasses.

Price, lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 25 lbs., \$13.25; 50 lbs., \$25.50; 100 lbs., \$50.00.

ITEMS BELOW ARE SHIPPED AT BUYER'S EXPENSE. ADD POSTAGE, OR ASK US TO EXPRESS, CHARGES COLLECT.

## FESCUES

### CHEWING'S FESCUE (New Zealand-Grown)

—There is very little difference between this and the European-grown Red Fescue. Cheving's is in even greater demand for Putting Greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial with creeping roots and makes a fine turf. Does well in sandy soils, and in the shade. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. 1 lb., 60c (by mail 65c); 2 lbs., \$1.20; 3 lbs., \$1.65; 5 lbs., \$2.40; 10 lbs., \$4.60; 25 lbs., \$11.25; 100 lbs., \$42.00.

**RED OR CREEPING FESCUE (FESTUCA RUBRA)**—We can again offer in limited quantity genuine creeping red fescue. This seed is grown in Germany and is a true creeper. 1 lb., 95c (by mail 1.00); 2 lbs., \$1.90; 3 lbs., \$2.70; 5 lbs., \$4.15; 10 lbs., \$8.10; 25 lbs., \$20.00; 100 lbs., \$77.00.

**SLENDER FESCUE OR FINE-LEAVED SHEEP'S FESCUE (FESTUCA TENUIFOLIA)**—Of value as a lawn and pasture grass where it does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 90c (by mail, 95c); 5 lbs., \$3.45; 10 lbs., \$6.75; 100 lbs., \$63.00.

**SHEEP'S FESCUE (FESTUCA OVINA)**—A good grass for upland pastures and for sandy and poor soils. It is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage make it a desirable grass for many purposes. Much used for the "rough" on golf courses. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.15; 10 lbs., \$4.10; 25 lbs., \$10.00; 100 lbs., \$37.00.

**HARD FESCUE (FESTUCA DURIUSCULA)**—This grass does well in sandy pastures. Is a slender and very tufted perennial, a dwarf form of Sheep's Fescue. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., \$1.10; 3 lbs., \$1.50; 5 lbs., \$2.15; 10 lbs., \$4.10; 25 lbs., \$10.00; 100 lbs., \$37.00.

**ENGLISH BLUE GRASS OR MEADOW FESCUE (FESTUCA ELATIOR PRATENSIS)**—A native of Europe, it has become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American-grown. Sow in the Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.30; 25 lbs., \$8.00; 100 lbs., \$29.00.

**ROUGH STALKED MEADOW GRASS (POA TRIVIALIS)**—An ideal shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial closely related to Kentucky Blue Grass, but somewhat finer and softer. It has a splendid apple-green color and is a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. 1 lb., 70c (by mail, 75c); 2 lbs., \$1.40; 3 lbs., \$1.95; 5 lbs., \$2.90; 10 lbs., \$5.60; 25 lbs., \$13.75; 100 lbs., \$52.00.

## Creeping Bent Stolons

We are now able to supply this splendid golf grass for private use. It produces a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. But for those willing and able to provide the needed care it will repay as no other grass known. For \$25.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$14.00; 250 sq. ft. for \$8.25; 100 sq. ft. for \$4.25. Express charge from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions and deliver to you in the best growing condition. A leaflet giving further information about Creeping Bent Stolons will be sent upon request. It is best to plant stolons in May and June for spring planting, and from the middle of August to the middle of September for fall planting.

## SPECIAL LIST OF FIELD SEEDS.

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot of 10 lbs. or over. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address

FIELD SEED DEPARTMENT

VAUGHAN'S SEED STORE, Drawer V., Chicago, Ill.

## Terrace Mixture

A mixture of grasses that root quickly and form a good turf under conditions as met with on terraces.

Lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 25 lbs., \$13.25; 50 lbs., \$25.50; 100 lbs., \$50.00.

## Putting Green Mixture

We offer a mixture of fancy grasses that make a very good turf, but recommend that only one kind of grass be used on putting greens, e.g., European Mixed Bent, or Cheving's Fescue, etc.

Price, lb., 75c; 2 lbs., \$1.50; 3 lbs., \$2.20; 5 lbs., \$3.65; 10 lbs., \$7.20; 15 lbs., \$10.65; 20 lbs., \$14.00; 25 lbs., \$17.25; 50 lbs., \$33.00; 100 lbs., \$65.00.

## WOOD MEADOW GRASS (POA MEMORALIS)

—Used as a shade grass in the Northern half of the United States. It is a very good shade grass that grows well in rather dry soils and should not be used in moist places. A perennial closely related to Kentucky Blue Grass. Sow in the Fall or Spring 1 lb. to every 300 sq. ft. 1 lb., 90c (by mail, 95c); 2 lbs., \$1.80; 3 lbs., \$2.55; 5 lbs., \$4.05; 10 lbs., \$7.90; 25 lbs., \$19.50; 100 lbs., \$75.00.

## ORCHARD GRASS (DACTYLIS GLOMERATA)

—A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in the Spring, 25 to 30 lbs. per acre. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., \$1.05; 5 lbs., \$1.55; 10 lbs., \$2.90; 25 lbs., \$7.00; 100 lbs., \$25.00.

## RYE GRASSES

### ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE)

—Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it; the seed is heavy and very quick to start. Also a good lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Standard weight, 24 lbs. to the bushel—our seed extra heavy quality, 27-28 lbs. to the bushel. 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., 90c; 5 lbs., \$1.25; 10 lbs., \$2.30; 25 lbs., \$5.50; 100 lbs., \$19.00.

### PACEY'S ENGLISH OR SHORT SEEDED RYE GRASS

—A strain selected for its greater yield. The seed is smaller and runs more to the bushel than the standard variety. 1 lb., 30c (by mail, 41c); 2 lbs., 70c; 3 lbs., 95c; 5 lbs., \$1.35; 10 lbs., \$2.50; 25 lbs., \$6.00; 100 lbs., \$21.00.

### ITALIAN RYE GRASS (LOLIUM ITALICUM)

—Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasture. Desirable for this purpose in temporary pastures. It is almost an annual, generally lasting a second year, however. Develops very rapidly. Valuable in lawn grass mixtures demanding immediate effect. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. 1 lb., 33c (by mail, 38c); 2 lbs., 65c; 3 lbs., 85c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$5.00; 100 lbs., \$17.00.

### DOMESTIC RYE GRASS

—A mixture of the English and Italian Rye Grass, grown in this country. 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 65c; 5 lbs., 95c; 10 lbs., \$1.75; 25 lbs., \$3.85; 100 lbs., \$13.50.

**TIMOTHY (PHLEUM PRATENSE)**—The most popular of all hay grasses. A stand is easily secured and growth is very rapid.

Vaughan's Fancy seed (99.5% pure or better), 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 60c; 5 lbs., 75c; 10 lbs., \$1.30; 25 lbs., \$2.75; 100 lbs., \$9.00.

### BERMUDA GRASS (CYNODON DACTYLON)

—The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). 1 lb., 60c (by mail, 65c); 2 lbs., \$1.20; 3 lbs., \$1.65; 5 lbs., \$2.40; 10 lbs., \$4.60; 25 lbs., \$11.25; 100 lbs., \$42.00.

### CANADA BLUE GRASS (POA COMPRESSA)

—A hardy grass with dense creeping root stocks. Adapted to all soils and very valuable on poor soils and clay soils. Recommended for Eastern States for dairy use. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., \$1.20; 5 lbs., \$1.80; 10 lbs., \$3.40; 25 lbs., \$8.25; 100 lbs., \$30.00.

### AWNLESS BROME GRASS (BROMUS INERMIS)

—Unsuccessful on arid soils. Very strong, quick growing making two crops or very abundant pasture. It prevents washing on the banks of streams. Sow in the Spring, 2 bushels per acre. (14 lbs. to bushel) 1 lb., 30c (by mail, 35c); 5 lbs., \$1.05; 10 lbs., \$1.80; 100 lbs., \$13.75.

### TALL MEADOW OAT GRASS (AVENA ELATIOR PRATENSIS)

—An excellent meadow grass for winter grazing and for hay in Southern States and dry climates; should be sown with other grasses. Sow in Spring or Fall, 3 bushels per acre (13 lbs. to bushel). 1 lb., 45c (by mail, 50c); 5 lbs., \$1.90; 10 lbs., \$3.60; 100 lbs., \$32.00.

### MEADOW FOXTAIL (ALOPECURUS PRATENSIS)

—Every permanent pasture mixture should include some of this grass; particularly good for moist pastures. Does not reach maturity for 2 or 3 years and should be sown with other grasses. Sow in Fall or Spring. (7 lbs. to bushel.) 1 lb., \$1.15 (by mail, \$1.20); 5 lbs., \$5.35; 10 lbs., \$10.50.

### CRESTED DOGSTALL (CYNOSURUS CRISTATUS)

—Fine leaved perennial, best in rich, moist soils. (21 lbs. to bushel.) 1 lb., 70c (by mail, 75c); 2 lbs., \$1.40; 3 lbs., \$1.95; 5 lbs., \$2.90; 10 lbs., \$5.60; 25 lbs., \$13.75; 100 lbs., \$52.00.

## SWEET VERNAL GRASS

### TRUE PERENNIAL (ANTHOXANTHUM ODORATUM)

—Very early; imparts pleasant odor to hay. 1 lb., \$1.70 (by mail, \$1.75); 5 lbs., \$6.25; 10 lbs., \$12.00.

### ANNUAL (ANTHOXANTHUM PUEBLII)

—Sow half pound to acre with other grasses. (10 lbs. to bushel.) 1 lb., 50c (by mail, 55c); 5 lbs., \$2.10; 10 lbs., \$4.00; 100 lbs., \$35.00.

## Seed of the Bent Grasses

**EUROPEAN MIXED BENT** (so-called "Creeping Bent") is a mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Rhode Island Bent. It has been in high favor as a putting green grass.

The important advantage of the Bent Grasses on lawns is that they like acid soils and can be fed with acid reacting fertilizers, such as Ammonium sulphate, the constant use of which discourages weeds.

These seeds are somewhat to be preferred to the Creeping Bent Stolons for lawn purposes (but not for putting greens), because they do not grow so rapidly and the average home-owner can keep up with the mowing. Seed at the rate of 3 to 4 lbs. per 1000 sq. ft.

European Mixed Bent ("Creeping Bent Grass"), 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.50; 15 lbs., \$16.85; 25 lbs., \$27.50.

**RHODE ISLAND BENT GRASS** has been neglected as a lawn grass. It makes a fine close turf of excellent color and adapts itself readily to any soils, particularly acid soils. This grass also makes good putting green turf.

Rhode Island or Colonial Bent, 1 lb., \$1.65; 2 lbs., \$3.30; 3 lbs., \$4.85; 5 lbs., \$8.00; 10 lbs., \$15.50; 15 lbs., \$22.85; 25 lbs., \$37.50.

## Cocoos Bent

We can now offer genuine Cocoos bent seed. This is a true unmixed creeping bent grass seed. Excellent for putting greens and lawns. One top dressing a year is sufficient to keep it in good condition.

1 lb., \$2.75; 2 lbs., \$5.50; 3 lbs., \$8.10; 5 lbs., \$13.25; 10 lbs., \$25.00; 25 lbs., \$60.00; 50 lbs., \$115.00; 100 lbs., \$225.00.



Sample card mailed upon request.	Bunch	$\frac{1}{2}$ Lb.	Lb.	Per Lb.
No. 1.	<b>\$0.15</b>	<b>\$0.68</b>	<b>\$1.30</b>	<b>\$1.25</b>
No. 2.	.15	.63	1.20	1.15
No. 3.	.15	.58	1.10	1.05
No. 4.	.15	.55	1.05	1.00
No. 5.	.15	.53	1.00	.95
No. 6.	.15	.53	1.00	.95
No. 7.	.15	.50	.95	.90
Flat Reed, $\frac{1}{2}$ -inch.	.15	.50	.95	.90
Split Reed, No. 6.	.15	.50	.95	.90



# Vaughan's High-Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. The first has been proved by experiments to stimulate in particular the leaf growth of plants; the second stimulates stalk and stem growth, and the last assists the development of fruits.

Each of the foods if used in reasonable amounts, not in excess, will improve the general condition of plants to which it is applied, but its chief effect is in the direction indicated. A balanced fertilizer is one which contains all three, and

gives a complete diet to the crop. And the composition of a balanced fertilizer in commonly expressed in a formula of three numbers with hyphens between, thus 5-8-7. The first indicates the proportion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

## VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as in our opinion the best balanced fertilizer for all around use in the home garden. It contains in plentiful proportion the chemical elements known to influence plant growth. It is admitted that there is much about plant food which is unknown to us; and florists and gardeners of long experience prefer fertilizers of organic origin where they can get them. Mineral fertilizers may give exactly the same chemical formula, and are in fact more readily soluble, but it may be that organic matter contains beneficial factors as yet unidentified which contribute to vigor and health in plants. While not as free from odor as mineral fertilizers, Vaughan's Balanced Plant Ration is thoroughly sterilized and when stored in a detached shed, and handled in the open air, is in no way objectionable.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.75; 50 lbs., \$2.60; 100 lbs., \$4.25; 500 lbs., \$17.00; 1,000 lbs., \$32.00; 2,000 lbs., \$60.00.

**Adco Artificial Stable Manure.** Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions.

Price, 25 lb. bag, \$2.50; 150 lbs., \$11.50. Write for booklet. **Sulphate of Ammonia.** Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 25 lbs., \$2.00; 50 lbs., \$3.40; 100 lbs., \$5.75; 500 lbs., \$24.00.

**Hardwood Ashes.** Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards. Price, 25 lbs., \$1.45; 50 lbs., \$2.00; 100 lbs., \$2.85; 500 lbs., \$10.15; 1000 lbs., \$18.50; 2000 lbs., \$36.00.

**Bone and Blood.** (5%) Nitrogen. (25%) total phosphoric acid. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crop use 500 lbs. per acre. Price, 25 lbs., \$1.85; 50 lbs., \$2.70; 100 lbs., \$4.20; 250 lbs., \$10.00; 500 lbs., \$17.50; 1000 lbs., \$33.00; 2000 lbs., \$65.00.

## VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3 3/4 per cent; total phosphoric acid, 22 per cent; bone phosphate, 48 to 54 per cent.

Price 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.90; 50 lbs., \$2.75; 100 lbs., \$4.25; 250 lbs., \$10.25; 500 lbs., \$17.25; 1000 lbs., \$32.50; 2000 lbs., \$63.00.

**REGULAR BONE MEAL.** Price, 25 lbs., \$1.80; 50 lbs., \$2.50; 100 lbs., \$4.00; 250 lbs., \$9.50; 500 lbs., \$16.75; 1000 lbs., \$31.00; 2000 lbs., \$60.00.

**Dried Blood.** For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants.

Price, 5 lbs., 75c; 10 lbs., \$1.30; 25 lbs., \$2.65; 50 lbs., \$4.25; 100 lbs., \$7.25; 250 lbs., \$18.00; 500 lbs., \$33.50.

**Shredded Cattle Manure.** Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be baked off when the growing season begins.

Price, 25 lbs., \$1.35; 50 lbs., \$1.95; 100 lbs., \$3.00; 500 lbs., \$10.90; 1000 lbs., \$18.40; 2000 lbs., \$35.75.

**Clay's Fertilizer.** This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.

Price, 7 lbs., \$1.65; 14 lbs., \$2.75; 28 lbs., \$4.35; 56 lbs., \$7.60; 112 lbs., \$13.50.

**Agricultural Gypsum.** A high grade lime product for sweetening heavy and sour soils.

Price, 5 lbs., 30c; 10 lbs., 50c; 100 lbs., \$2.25; 500 lbs., \$9.00.

**Super Phosphate.** Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 25 lbs., \$1.45; 50 lbs., \$2.10; 100 lbs., \$2.95; 250 lbs., \$6.50; 500 lbs., \$10.95; 1000 lbs., \$19.50; 2000 lbs., \$38.00.

**Orchid Peat.** Very useful for orchids and azaleas.

Price, \$3.75 per sack of about 2 bushels.

**Granulated Peat Moss.** moisture-retaining humus. An important aid in saving soil fertility; better than manure. Bale of about 190 lbs., \$5.00.

"Nitragin Pure Culture" is put up in round tin cans, in three sizes—garden, one-half bushel and one bushel. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clover, Cow Peas, Soja Beans, Vetches, etc.

For Peas and Beans—Garden size, 20c.  
For Alfalfa, Clovers, Peas and Beans. 1/4 bu., 40c; 1/2 bu., 60c; 1 bu., \$1.00; 5 bu., \$4.75.

For Soy Beans and Cow Peas. 1/2 bu., 40c; 1 bu., 70c; 5 bu., \$2.50.

## Vaughan's Lawn and Garden Fertilizer (6-8-6)

Six per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. The formula of this mixture, 6-8-6, is very close to that of Vaughan's Balanced Plant Ration. If it is necessary to store fertilizer in a cellar garage, or any similar place where a pronounced odor is objectionable, then the mineral fertilizer is preferable. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00; 250 lbs., \$12.00; 500 lbs., \$21.75; 1000 lbs., \$42.50; 2000 lbs., \$80.00.

## VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in package. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

## Stim U Plant Tablets.

A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package of 30 tablets 25c; if by mail, 30c.

**Pulverized Limestone.** An excellent form in which to apply lime, which is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper.

Price, 100 lbs., \$1.75; 500 lbs., \$5.50; 1000 lbs., \$9.00; 2000 lbs., \$17.00.

## Nitrate of Soda or Chili Saltpeter.

Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.10; 50 lbs., \$3.50; 100 lbs., \$5.85; 500 lbs., \$25.95; 1000 lbs., \$45.00; 2000 lbs., \$89.00.

**Nitrophoska.** A highly concentrated inorganic fertilizer clean and odorless. 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., 4.00; 50 lbs., \$7.00; 100 lbs., \$12.00.

Write for prices on larger quantities.

## Muriate of Potash.

Imported Potash once again available, should be used liberally, especially for all root crops.

Price, 25 lbs., \$1.75; 50 lbs., \$2.65; 100 lbs., \$4.10; 250 lbs., \$9.35; 500 lbs., \$17.50.

## Scotch Soot (Genuine Imported).

Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.

Price, 25 lbs., \$2.15; 50 lbs., \$3.70; 100 lbs., \$6.45; 500 lbs., \$28.50.

## Loma.

Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.

Price, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

## VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.

Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.40; 50 lbs., \$1.95; 100 lbs., \$3.00; 500 lbs., \$10.90; 1000 lbs., \$18.40; 2000 lbs., \$35.75.

**Vigoro.** Scientifically balanced and complete, VIGORO is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. The cost is only 10c to 20c for every 100 square feet. It is clean, odorless, easily sown by hand like grass seed. Complete directions in every bag.

Price, 5 lbs., 50c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00.

## Florand Urea.

A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, 1b. can, 65c; 25 lbs., \$5.00; 50 lbs., \$9.00; 143 lbs., for \$16.00.

Write for prices on larger quantities.

Price, 5 lbs., 50c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00.

Price, 5 lbs., 50c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00.

Price, 5 lbs., 50c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00.

Price, 5 lbs., 50c; 25 lbs., \$1.95; 50 lbs., \$3.00; 100 lbs., \$5.00.







# Insect Destroyers



Unmailable—Insecticides containing Poison CANNOT be Sent by Mail—by Express only.

## BLACK LEAF 40,

is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; ½ lb. can, \$1.25, makes 40 to 100 gallons; 2-lb. can, \$3.25, makes 200 to 500 gallons; 10-lb. can, \$11.85, makes 840 to 2100 gallons.



**LIME SULPHUR.** (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00. Write for prices in barrel lots.

**DRY LIME SULPHUR.** For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$14.00.

**ANTROL.** Sets containing 4 jars and 4-oz. bottle of syrup, price \$1.00; extra jars each 15c. 4 oz. bottle syrup 50. Pint bottle of syrup \$1.00; gal. \$4.00.

**ANT EXTERMINATOR.** Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 35c; smaller size, 20c; by mail 5c. extra.



**APHINE.** 1 pt., 65c; 1 qt., \$1.00; 1 gal., \$3.00.

**CALCIUM, ARSENATE.** (Dry.) Lb., 50c; 4 lbs., \$1.60.

**BORDEAUX MIXTURE.** (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 4 lbs., \$1.50; case of 24 lbs., \$5.25.

**CARBON DISULPHIDE.** For ants and cut worms. 1 lb., 50c; ¼ lb., 25c.

**DERRISOL.** Is an odorless nonpoisonous liquid, which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 ozs., \$1.20; 2 lbs., \$3.00; 10 lbs., \$12.00.

**EVERGREEN.** Non-poisonous insecticide. 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; 32-oz. bottle, \$3.85; gallon bottle, \$13.00.

**FLOWERS OF SULPHUR.** Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.75; 100 lbs., \$6.50.

**FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**FUNGINE.** New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 65c; 1 qt., \$1.00; gal., \$3.00.

**GRAPE DUST.** Excellent for the prevention and destruction of mildew on plants. 5 lbs., 95c; 10 lbs., \$1.80.

**HELLEBORE POWDERED, White.** Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.

**NICO-FUME POWDER FUMIGATOR.** Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 1-lb. tin, \$1.00; 5-lb. tin, \$3.75; 10-lb. tin, \$6.85.

**LEMON OIL.** Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

**NICO-FUME LIQUID.** For fumigating or spraying; contains 40 per cent. nicotine. ¼ lb., 75c; 1 lb., \$2.00; 4 lbs., \$6.25; 8 lbs., \$11.50.

**"NICO-FUME." A Tobacco Paper for Fumigating.** Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.25; 144 sheets, \$5.00; 288 sheets, \$8.75.

**SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings Gladiolus and disinfection of seed bed soil. Prices, 2 oz., 50c; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$51.25; 100 lbs., \$120.00. Write for leaflets stating for what purpose desired.

Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

**SNAROL.** An insecticide bait to combat snails, cutworms, sow bugs and grasshoppers. Price, 1 lb., 50c; 3 lbs., \$1.00; 15 lbs., \$3.75.

**ACME ALL ROUND SPRAY.** The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 35c; 1 lb., 85c.



**TWO-WAY SPRAY.** (Dry.) Combination insecticide and fungicide, containing arsenate of lead and Bordeaux mixture. Price, lb., 50c; 4 lbs., \$1.50; 100 lbs., \$21.00.

**SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.50.

**ARSENATE OF LEAD.** (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 50c; 4 lbs., \$1.75; case of 32 lbs., \$9.00; 100 lbs., \$22.00.

**PYROX.** Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.75; 100 lbs., \$15.50.



**NIKOTEEN.** 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; ½ pt., \$1.10; pt., \$2.00; 3 pts., \$5.75; original case 10 pts., \$18.00. 40% grade. 4 lbs., \$7.00; 8 lbs., \$13.50.

**PARIS GREEN.** A poisonous insecticide in powder form, for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

**SULPHO-TOBACCO SOAP.** One of the best remedies for greenfly on roses and house plants. Per ½-lb. box, 25c; by mail, 30c. 3-oz. package, each, 15c; by mail, 20c.

**SCALECIDE.** An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 75c; gal., \$1.75; 5 gals., \$6.25; 10 gals., \$10.60. Write for price in barrel lots.

**SLUG SHOT, Hammond's.** Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. 25c; 5 lb. package, 60c; 25 to 50 lbs., at 10c per lb. Per keg 125 lbs., \$12.00; barrel, 250 lbs. in bulk, \$23.00.



**Slug Shot Duster.** ½ gal. size, 60c.

**THRIP JUICE No. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 75c; qt., \$1.10; gal., \$3.25.

**TOBACCO DUST. (Regular Grade.)** 5 lbs., 35c; 10 lbs., 60c; 100 lbs., \$4.00.

**TOBACCO STEMS.** 100 lbs., \$2.50; 500 lbs., \$9.50; 1000 lbs., \$18.00.

**TREE TANGLEFOOT.** Perfect safeguard for trees. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25; 25 lbs., \$11.00.

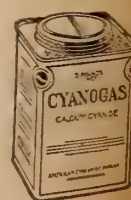


**VERMINE.** For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. Pint, 65c; quart, \$1.00; gal., \$3.00.

**\*VOLCK.** The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. ½ pint, 50c; pint, 75c; qt., \$1.00; gal., \$3.00; 5 gal., \$12.00.

**WILSON'S O. K. PLANT SPRAY.** A powerful yet harmless and efficient insecticide for aphids, red spider, mildew scale, etc. Price, ½ pint, 40c; quart, \$1.00; gallon, \$3.00; 5 gallons for \$12.00.

**CYANOGEN CALCIUM CYANIDE "G."** Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. Write for leaflet.





# Sprayers, Dusters for Insecticides

## Hayes Hand Barrel Sprayer Cart Outfit B 1821

A complete spraying outfit for small orchards, large estates or public park spraying. An excellent general purpose farm sprayer for disinfecting, whitewashing, field, garden and orchard work.

Pump air chamber is all steel, of large capacity and maintains uniform pressure and makes for ease of operation. The handle is long and powerful. Twin paddle agitators pass on both sides of strainer and stir solution thoroughly. All working parts are bronze or brass to resist corrosion by spraying chemicals. Cart: Steel wheels, malleable hubs, 30 inch diameter, 2½ in. tires securely mounted on 50 gallon barrel, 12½ ft. half-inch spray hose, nozzle and fittings.

No. 1821B equipped as above. Weight, 170 lbs., \$36.00.

The Jumbo pump has a 2½ inch cylinder and an extra large 3 inch boiler tube air chamber which enables it to handle one or two leads of hose, and develop sufficient capacity and high pressure to do a first class job.

If wanted with Jumbo Barrel Pump order No. 1921B. Weight, 181 lbs., \$40.00.

## Hand Barrel Sprayers

(Closed Barrel)  
Fig. 182

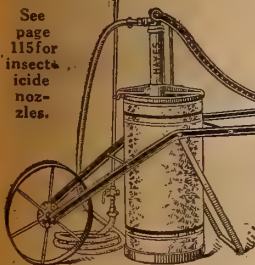


Construction similar to open barrel type with all working parts of bronze or brass to resist corrosion. Pump rests solidly on bottom of barrel and is always submerged. Large air chamber maintains uniform pressure and makes it unnecessary to work pump constantly. Develops tremendous pressure. Equipped with 12½ ft. spray hose, nozzle and fittings. Price, without barrel, \$14.35. Price, with barrel, \$22.50.

## BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, \$4.50.

## Wheelbarrow Sprayer



No. 1721F

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 12½ gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$24.00. Shipping weight, 80 lbs. Wheelbarrow, same capacity as the above, with smaller pump, each, \$15.00.

## New Bink's Sprayer

Equipped with 3 feet of discharge hose, shut-off cocks and Star spray nozzle. Works with compressed air, tank holds 5 gals. Price, \$14.50.

## Pneumatic Sprayer



Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.25; Brass Tank. Each \$2.00.

## The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 85c.

## Standard Spray Pump



This pump is a Bucket, Barrel or Knapsack pump as desired. Price, \$5.00; with knapsack and curved extension, \$9.25.

## Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, \$7.00, without bucket.

## Myers Little Giant Spray Pump

with agitator, complete with hose and combination fine coarse spray and solid-stream nozzle, with malleable foot rest. Price, complete, \$5.00 without bucket.

## The Auto Spray



Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, with Auto Pop, \$6.50; solid brass reservoir, with Auto Pop, \$9.00. Extension rods, 2-foot lengths, 50c. Two-row attachments, \$1.50.

## Hudson Sprayer

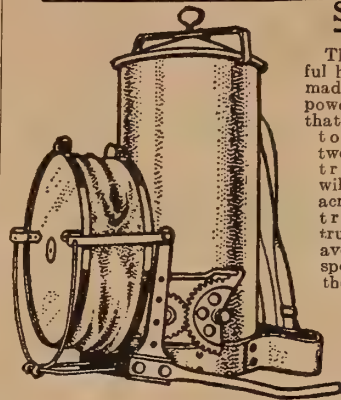
The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, \$6.50; all Brass, \$9.00.

## Powder Bellows.



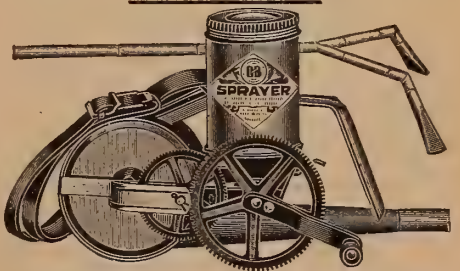
For dusting with sulphur or like material.  
No. 11. Length, 17 inches over all. Each, \$2.25  
No. 16. " 21 " " " " Each, 3.25

## The American Beauty Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$18.00. Write for leaflet of the American Beauty Dust Sprayer.

## Crank Duster



Will distribute any dry insecticide evenly. Price, \$9.50.

## Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, \$8.00.



## Feeney Model B Duster



Splendid Hand Duster. Each.....\$1.25  
**Little Giant**

The best dry powder gun; will distribute any dry insecticide. Will do as much work in a day as a horse-power sprayer. Price, \$10.00.

## Duster, Lowell



Handy for dusting any powder. Operated same as hand sprayer. Each, 85c.

## Powder Gun, Cyclone

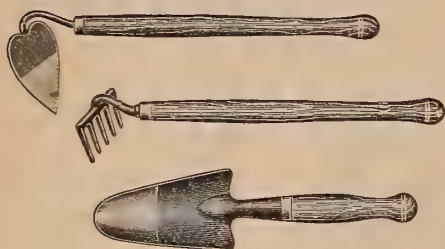


Small size, 20c. Jumbo size, 45c. Postage, extra each, 5c.



# Novelty Garden Tools, Supplies

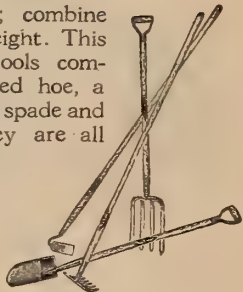
## AMERICAN BEAUTY GARDEN SET



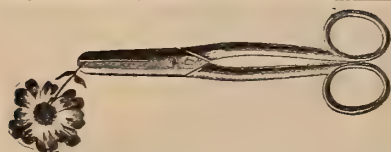
All handles are hand-turned and hand-finished, extra heavy. Tools are finished in red enamel; these are practical tools and are put up each set in a strong box. Hoe heart-shaped blade, heavy steel, 16-inch handle. Rake, heavy five-tooth malleable iron, 7-inch handle. Trowel heavy 6-inch. The finest floral set made. Price, per set, \$1.25; if by mail, add 20c for postage.

## LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, \$4.00.



## FLOWER GATHERING SCISSORS



Henckels' twin brand, imported, cuts and holds the flowers. Nickel-plated, finest quality. Price, \$3.00; if by mail, add 15c for postage.

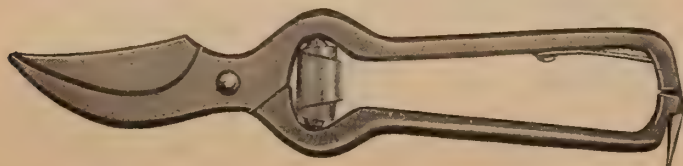


## POTTERY WREN HOUSE

Maintains even temperature. Easily cleaned. Removable wood bottom. Hole just the right size, is much liked by this great songster. A real decoration to your garden, approximate weight 8 lbs. Price, \$1.25.

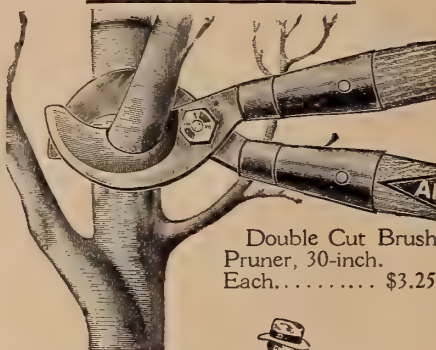
## No. 25 LADIES' PRUNING SHEARS

Nickel-plated of best steel, 6 inches long (illustration shows the shears 1/2 natural size).



A tool every lady gardener should have, will cut flowers, branches, and dead limbs with greatest ease. Will last a lifetime. Each, \$1.50; postpaid, \$1.60.

## DOUBLE CUT PRUNER



Double Cut Brush Pruner, 30-inch. Each, \$3.25

**LITTLE WONDER—Hedge Trimmer.** Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 40-inch. Each, \$27.50.

Side-cutting carriage for hedge trimmers, \$4.50.

Write for prices on The Electric Little Wonder Hedge Trimmer



Illustration shows trimmer with side-cutting carriage.

## BEST QUALITY



## HEDGE SHEARS

Imported. Made of the highest quality steel. These shears can be used both for trimming hedges and cutting grass under fences, bushes, etc. Steel blades. Tang extends through handles, riveted, making handles fast.

8-inch with Notch \$3.00; 9-inch with Notch \$3.25; 10-inch with Notch \$3.50.

## PAPER MULCH FOR GARDENS

Both state and federal experiment stations have proved the value under American conditions of the paper mulch method which was originated by Charles F. Eckart on Hawaiian sugar plantation. For the home gardener the paper mulch is invaluable. Laid down between the rows, it (1) makes cultivation unnecessary; (2) increases moisture in soil and does away with irrigation; (3) increase yield enormously.

Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18 in. wide, approximately 30 lbs., \$3.50 per roll. 36 in. wide, approximately 60 lbs., \$7.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18 in. wide, approximately 30 lbs., \$3.50 per roll; 36 in. wide, approximately 60 lbs., \$7.00 per roll.

## POTTERY BIRD BATH



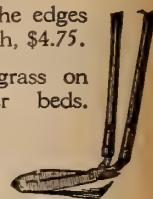
24 in. high, 17 1/2 in. diameter, made of high-grade vitreous pottery. Absolutely weather and frost-proof. Very artistic. Beautiful brown color. Approximate weight 40 lbs. Price \$6.00.

## SHEARS

**Border**—For trimming the edges of borders and walks. 9-inch, \$4.75.

**Grass**—For trimming grass on edges and around flower beds. Each, 50c.

**Grass**—Best quality steel, 6-inch blade, \$1.35.



**Vaughan Doo-Klip Grass Shear.** Each, \$1.50. By mail, \$1.60



Doo-Klip

## LIQUID FERTILIZER SIPHON

This is a device for applying liquid fertilizer while irrigating, watering the lawn or garden. It fits in the hose line, and siphons from a can or barrel, a strong solution of fertilizer, which is mixed in definite proportion with the hose water. Especially valuable for applying sulphate of ammonia to lawns, to fertilize the grass and kill dandelions. Each, \$3.25.



## Hotkaps

New Method of Plant Protection

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it Hotkaps become individual miniature hot-houses. Price, per 100, \$2.25; 250 for \$4.00. this includes one germaco garden setter; 1000 for \$11.50.

**Hotkap Setter.** Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and can be used a lifetime. Price, each, \$2.50. Germaco garden setter 50c,





# Planet Jr. Garden Tools



72-PAGE GARDEN MANUAL FREE. WRITE FOR YOUR COPY NOW

## No. 12 Planet Jr. Double and Single Wheel Hoe

A combination of Double and Single Wheel Hoe that has become the most popular in this and other countries. As a double wheel hoe the row can be straddled and worked both sides until the plants are 20 inches high. Then as a double or single wheel hoe, the crops can be cultivated both sides of the row and in the middle, thoroughly and quickly. Can also be used as a single wheel hoe wherever desired. The cultivating attachments permit one to do all the necessary plowing, opening and closing of furrows, hilling of plants and all the garden cultivation required. The side hoes break up the crust, kill the weeds, and pulverize the soil, which prevents evaporation of the required moisture. Rakes, Disc Hoes and other attachments can be added at any time. See Page 80 of the Planet Jr. catalog.



Equipment:  
Pr. 6-inch Hoes,  
4 Steel Cultivator Teeth,  
Pair Plows,  
Two Leaf Guards

No. 12  
Price,  
\$10.75

No. 11 same as No. 12 with extra Cultivator teeth, extra pair side hoes, and pair 3 tooth rakes and a pair of 5 tooth rakes. Price, \$13.75.

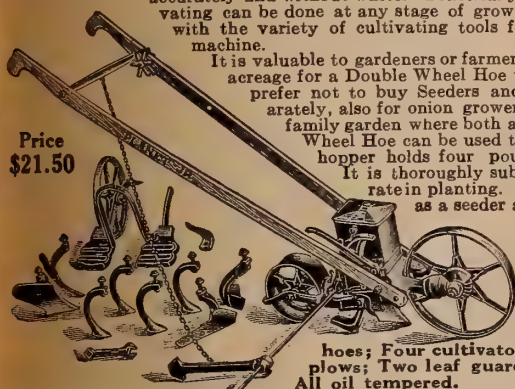
## No. 25 Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

The No. 25 Combined Seeder, Double and Single Wheel Hoe is recognized by hundreds of users and recommended by them as being the "Complete Gardener." It sows practically all vegetable seeds, either in hill or drill, accurately and without waste. Practically any kind of cultivating can be done at any stage of growth of various crops with the variety of cultivating tools furnished with this machine.

It is valuable to gardeners or farmers who have enough acreage for a Double Wheel Hoe to be used, and yet prefer not to buy Seeders and Wheel Hoes separately, also for onion growers and for the large family garden where both a Single and Double Wheel Hoe can be used to advantage. The hopper holds four pounds of onion seed.

It is thoroughly substantial and accurate in planting. Its simplicity, both as a seeder and as a wheel hoe, makes the combination thoroughly satisfactory.

Holds  $2\frac{1}{2}$  qts. Weight, complete, 61 lbs. Equipment: One pair of 6-inch hoes; Four cultivator teeth; One pair plows; Two leaf guards; One marker. All oil tempered.



Price  
\$21.50

## No. 19 Planet Jr. Garden Plow and Cultivator

Especially made for farmers' table garden. Here is a complete garden cultivator and plow, and although very moderate in price, will take care of all the cultivating in your garden, whether it be large or small, as well as doing all the necessary plowing, opening and closing of furrows, hilling up plants, and other work. The assortment of cultivating attachments is very complete, everyone being of special design; and the work that they will do will make you wonder how you ever handled your garden without this tool.

Equipment: One 2-in. Cultivating Tooth; One 10-in. Sweep; One plow; 5-Prong Cultivating Attachment; 15-inch Steel Wheel.



No. 19  
Price, \$6.00

## Midget Seeder With Handle

Is the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the cover swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a  $4\frac{1}{2}$ -foot handle. Full directions attached to every Seeder.



Price, \$4.25

## No. 17 Planet Jr. Single Wheel Hoe

One of the leaders in the Planet Jr. Garden Tool line. Will do practically the same work as the double wheel hoes, but is much lighter. By putting the wheel on the outside of the wheel arm it is possible to straddle the row and cultivate both sides at one time. With the large garden plow the necessary plowing can be done, as well as opening furrows for fertilizer, potatoes, etc., and closing furrow—and hilling up plants. The 6-inch hoes break up and pulverize the soil and are great weed killers. The steel cultivator teeth, three in number, give you both deep and shallow cultivation between the rows; in fact, this assortment of tools gives you everything you need to thoroughly cultivate the garden.

Equipment:  
Pr. 6-inch Hoes,  
3 Steel Cultivator Teeth,  
Large Garden Plow



No. 17  
Price,  
\$7.75

## No. 3 Planet Jr. HILL and DRILL Seeder

THE MARKET GARDENERS' FAVORITE

Sows all vegetable seeds in drills, at the proper depth, thickness, and economically. Gives you a uniform stand, in absolutely straight rows, which saves you time and labor in your cultivating work. Drops in hills 4, 6, 8, 12 or 24 inches apart.

Special opening plow and covers furnished for sowing onion seed, for sets for the No. 3 Seeder as well as for the No. 4 combination.



No. 3  
Price,  
\$17.50

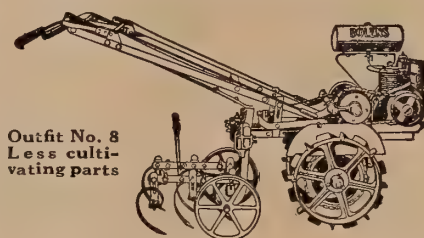
## Bolen's New Model "D" Garden Tractor and Combination Lawn Mower

For the gardener, the florist, the nurseryman and suburban resident. The BOLENS will plow, disc, seed, cultivate, mow the lawns or operate a mowing machine to cut hay, weeds, etc.

This is just the machine you need: any good-sized boy or girl can run it and do most accurate work. BOLENS is unlike other Garden Tractors because it has a power turn, absolutely accurate tool control, and ample clearance for all crops. There is no other machine like a BOLENS.

We have used BOLENS tractors in our Vaughan's Nursery the past seven years and would not be without it.

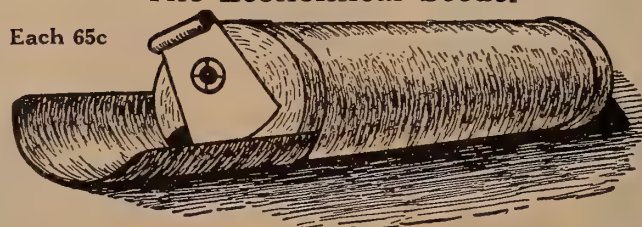
Tell us the work you wish to do and we will give prices on the BOLENS and the exact equipment needed to your work.



Outfit No. 8  
Less cultivating parts

## The Economical Seeder

Each 65c



A handy little tool which will be found useful and economical in sowing all fine seeds. It is made of zinc and measure  $4\frac{1}{4}$  inches over all.

The instrument is small enough to be held in the palm of the hand and the amount of seed is controlled by a simple action of the thumb operating a slide regulating the flow of the seed. It has a capacity of one ounce of aster seed and more or less of other seed according to size. It is especially recommended for sowing finer flower and vegetable seeds.

## Sowrite Seeds Sower

SOWS SEEDS AT A TOUCH

SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, \$1.50, postpaid.





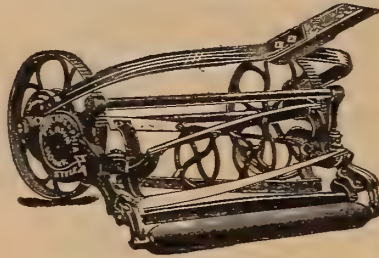
LAWN MOWERS  
LAWN ROLLERS  
LAWN TRIMMERS

# We Supply Everything

## The Genuine Philadelphia Lawn Mowers

FOR HALF A CENTURY

THE STANDARD  
OF QUALITY



THE genuine Philadelphia Lawn Mowers are the recognized standard for high-class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. The knives are made of vanadium crucible steel, and do not require constant sharpening. The bearings are easier running than ball-bearings, and do not become clogged with dirt. A lawn mower of this quality for home use will be the best labor-saving device one could invest in—always sharp, easy running and going for years without the need of repair. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

**Style A.** High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
\$21.00	\$23.50	\$26.50	\$29.00

**Style K.** Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
\$17.00	\$19.00	\$21.00	\$23.00

**Graham.** Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
\$26.50	\$29.50

**Perfection Grass Collectors.** Have a galvanized iron bottom and hever-rip cloth connections. Always be careful to state size and style of Mower when ordering.

No.	Each
301 Adjustable to mowers 12 to 16 inches	\$1.45
306 Adjustable to mowers 16 to 20 inches	1.75

Write for prices and booklet on Motor Mowers.



### Sod Lifter

Polished steel blade, strap ferrule. D handle with embossed wood grip. Length of handle 2 3/4 feet. Length over all, 4 feet. Price, each, \$2.25.

### TURF EDGER

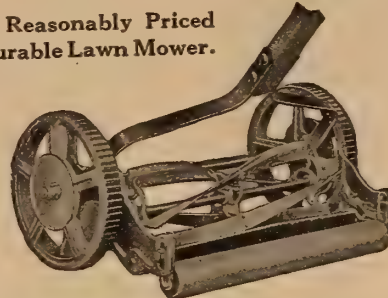
American..... Each, \$1.25

### IDEAL LAWN EDGER

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walks. Keep knife sharp. Do not use on soaking or wet ground. Each.....\$3.25

### Pilot Ball-Bearing

A Reasonably Priced Durable Lawn Mower.



Drive Wheels—9 inches; open spoke design; revolve on steel bearings.

Reel—5 1/2 inches in diameter; malleable spiders; steel shaft.

Gears—Double; one in each wheel; flat steel pawls.

Blades—Four crucible tool steel, hardened and tempered.

Ball-Bearings—Self-adjusting; dust-proof.

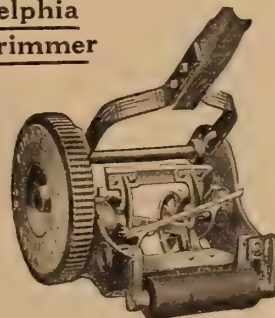
Bottom Knife—Tool steel; self-sharpening.

This mower is very graceful in outline and one of the easiest-running machines on the market. Handsomely finished in aluminum bronze with blue and gold decorations.

14-inch	16-inch	18-inch
\$10.50	\$11.00	\$11.50

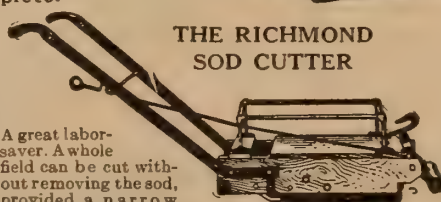
### Philadelphia Lawn Trimmer

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each \$10.50, complete.

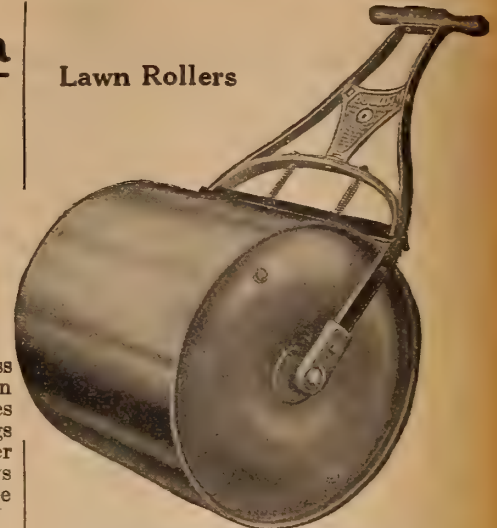


### THE RICHMOND SOD CUTTER

A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width, is taken out at the start. Price, \$40.00.



### Lawn Rollers



### Genuine Dunham Water-Weight Rollers

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

No.	Diam. in.	Length in.	Sec. tions	Wt., empty	Wt., filled	Price
WB5.....	18	24	1	85	265	\$18.00
WB7.....	24	24	1	110	420	21.00
WB9.....	24	32	1	130	565	23.00

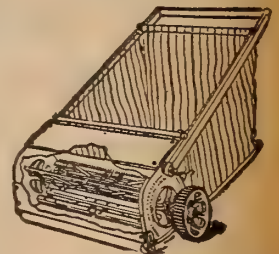
Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

No.	Diam. in.	Length in.	Sec. tions	Wt., empty	Wt., filled	Price
WB2.....	14	24	1	68	175	\$12.50
WB4.....	18	24	1	82	265	14.50

Write us for price and leaflet on Dunham Water-Weight Horse and Tractor Rollers.

### Gem Lawn Sweeper

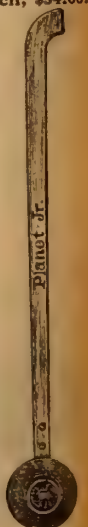
This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. Price, 24-inch wide, each, \$34.00.



### Berghman Lawn Mower Sharpener.

A high-grade durable lawn mower sharpener, easy to use and adjustable to all types and makes of machines. A hundred-fold better than a file—no danger of making low spots in the blades. Price, \$1.00

No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. Price, \$1.75.





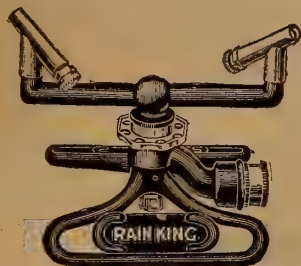
# for the Lawn, Etc.

## GARDEN NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price,  $\frac{3}{4}$ -inch or  $\frac{1}{2}$ -inch, per 25 feet, \$5.00; 50 feet, \$9.50; 100 feet, \$18.00.

## STANDARD RAIN KING



Combines all the best features of both stationary and revolving sprinklers. Waters the largest lawns or the smallest corners, strips and odd-shaped places. Sprinkles in two directions at once or concentrates wherever water is wanted. Gives a gentle mist, a soaking downpour or light shower—all at instant command.

Each nozzle a complete sprinkler with full range of direction, distance and volume. Instantly set for either stationary or whirling spray. Nozzles set instantly for any spray. Operate independently or together. Distributes water perfectly under any pressure. When set to revolve, regulates to run fast or slow, to cover small or large circle.

Nothing to get out of order. Built for hard work and built to last. Bearings are hardened and machined to precision standards. A strong, sure-working sprinkler that is a trade builder.

Weight, 3 lbs. Packed one to a carton. \$3.50  
Price, each,.....

## LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, 35c.

Mounted on stand: 2-foot, 95c; 4-foot, \$1.10; 6-foot, \$1.25.



## THE EVANSTON SPRINKLER



One of the best lawn sprinkler on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray make it especially desirable for new lawn and flower gardens. Its location may be changed while under full working head with perfect ease, by the aid of a wire or cord. Weight 2 lbs. Each, 70c; 3 for \$2.00.

## CYCLONE SPRINKLER

Three-Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. Each, \$2.25; 3 for \$6.50.



## FOUNTAIN SPRINKLER



all over the land. Each, 75c; by

The mist-like spray that has made the name Fountain known by mail, 85c.

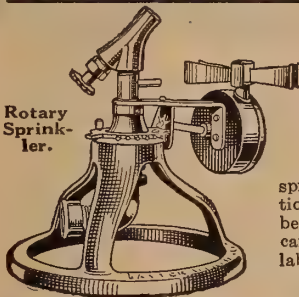
## AUSTRALIAN SPRINKLER



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, 95c, 4-foot, \$1.10; 6-foot, \$1.25; 8-foot, \$1.35.

## ROTARY and OSCILATING SPRINKLER



Rotary Sprinkler.

This sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$10.00.



## CRESCENT SPRINKLER

Rainking. The nozzle that gives satisfaction. Easy to adjust, from the finest spray to long stream. Price, \$1.50.



Price, 65c. By mail, 80c.

## THE "SNAP" HOSE COUPLER



Best coupler, simple, durable, always tight, for  $\frac{3}{4}$ -inch hose. Per pair, 60c.

## HOSE COUPLER.

Brass, for  $\frac{1}{2}$  or  $\frac{3}{4}$ -inch hose. Each, 20c; doz., \$1.80.

Hose Clamps, Bull Dog. Each, 7c; doz., 70c, Ppd. Hose Straps, Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 40c. Pliers for same, 35c.

## PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 30c; doz., \$3.00.

## Perfect Clinching Hose Mender

A self-fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose.  $\frac{3}{4}$ -inch, each, 15c; doz., \$1.50.

## THE COOPER HOSE MENDER



Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off.  $\frac{1}{2}$  or  $\frac{3}{4}$ -inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.

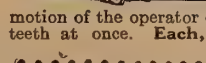
Iron Mender, for  $\frac{3}{4}$ -inch hose. Each, 7c; doz., 70c.

HOSE WASHERS,  $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

## LAWN RAKES



Automatic Self-Cleaning Backward motion of the operator clears all the teeth at once. Each, \$1.50.



Lawn Queen. Wire teeth reversible head; 24 teeth. Each, 95c; 36 teeth, \$1.35.



## DANDO KILLRITE

Is made of brass throughout and is therefore rust-proof and practically indestructible. It is filled with a liquid which while harmless to human beings or pet animals is sure death to weeds, weighs no more than a walking stick and is a positive pleasure to use. Price, \$5.00.

Killrite Filler Crystals, lb., 60c, dissolved in water gives two fillings.

## HOSE REELS, SPRINKLERS, RAKES, EDGERS, ETC.

## HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for  $\frac{3}{4}$ -inch hose. Each, 85c; by mail, 95c.

Boston Rose Spray. Brass; for  $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.45; by mail, \$1.55.

Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream.  $\frac{3}{4}$  inch, each 70c; by mail, 80c.



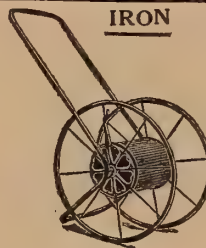
## HORSE LAWN BOOT

No. 2 for No. 2 horseshoe  $5\frac{1}{2}$  in. inside measure. No. 4 for No. 4 horseshoe  $6\frac{1}{2}$  in. inside measure. No. 6 for No. 6 horseshoe 7 in. inside measure.

Price, per set of four, \$15.00.

## HOSE REEL — ALL

### IRON



Very light, frictionless, wheels being so high are very easily worked; no tipping when winding or unwinding hose.

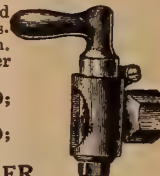
No. 10 for 100 ft.  $\frac{3}{4}$ -in. hose.....\$3.50  
No. 20 for 150 ft.....\$5.50  
Donley's, all steel Each, \$3.00.

## INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit  $\frac{1}{4}$ -inch pipe connection. If wanted to fit  $\frac{3}{4}$ -inch hose, order reducer, 45c extra.

Bordeaux Nozzle. Each, \$1.00; by mail, \$1.05.

Vermorel Nozzle. Each, \$1.00; by mail, \$1.05.



## WEED KILLER



Atlas Non-Poisonous Weed Killer exterminates all undesirable vegetation—including poison ivy, etc.—as easily as watering a garden, without poison hazard to humans or animals.

Simply mix with water and apply on any vegetation.—Weeds, Grass, etc., with a sprinkling can or sprayer.

Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters

## DRY SUPER CONCENTRATE (Mailable)

Small cans (make 2  $\frac{1}{2}$  gals. of weed killer)....\$0.50  
Large cans (make 20 gals. of weed killer).... 2.00

## LIQUID SUPER CONCENTRATE

5 gallons drums (will treat 2,500 sq. ft.)...\$ 8.00  
30 gallons drums (will treat 15,000 sq. ft.)... 37.50  
50 gallons drums (will treat 25,000 sq. ft.)... 55.00

## GRASS HOOKS OR SICKLES

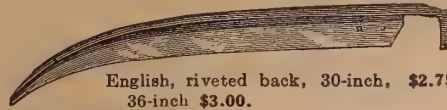
English. Riveted back. Each...75c  
Domestic. Best quality.....75c

Kelly No. 4. Perfect grass hook. Each, 65c.



## SCYTHE BLADES

Kelly Cloverleaf Dutch grass scythes, 32 inch, each \$1.75.



English, riveted back, 30-inch, \$2.75; 36-inch \$3.00.

Scythe Snath, each, \$1.75.

Scythe Stone. Natural, 15c each.

Owing to the fluctuations of the market, prices are subject to change without notice.



## GLAZING MATERIALS AND POTS

**MASTICA.** For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$2.85.

**MASTICA MACHINE.** For applying above. (Weight, 1½ lbs.) Each, \$3.50.

**PUTTY.** Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$3.00.

**PUTTY BULB.** Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses.

(Weight ½ lb.) Each, \$1.75.

**PUTTY KNIFE.** Each, 35c.

**VAUGHAN'S BULBING CEMENT.** A perfect compound for glazing, re-glazing and repair work on greenhouses and sash. Made from a long fiber asbestos and elastic gums. For glazing purposes it requires about 3 gallons to each thousand feet of glass. Price, per gal., \$1.60; 5 gals., \$7.50; in 35 and 55-gal. drums, per gal., \$1.15.

**MOLE TRAP IMPROVED,** with patented setting attachment. One of the best mole and gopher traps. Each, \$2.25.

**MOSS. Sphagnum.** Bur-lapped bales. Ea., \$2.25.

**SHEET MOSS. (Green)** Freshly gathered; for Windows, Boxes, etc. Per sack, \$2.75.

### POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

**RED CLAY POTS.** We pack these carefully, but will not be responsible for breakage.

Doz.	100	1000	Doz.	100	Each
2 in. . . . .	\$0.35	\$1.60	6 in. . . . .	\$1.35	\$ 8.50
2½ in. . . . .	.40	1.80	7 in. . . . .	1.80	12.95
3 in. . . . .	.50	2.75	8 in. . . . .	2.25	17.20
4 in. . . . .	.65	3.50	10 in. . . . .		\$0.60
5 in. . . . .	.85	6.00	12 in. . . . .		.90

PANS (Azalea) Each	Doz.	Each	Doz.
6 in. . . . .	\$0.15	\$1.35	9 in. . . . . \$0.35
7 in. . . . .	.20	1.80	10 in. . . . . .60
8 in. . . . .	.25	2.25	12 in. . . . . .90

PANS (Fern) Each	Doz.	Each	Doz.
6 in. . . . .	\$0.15	\$1.35	8 in. . . . . \$0.25
7 in. . . . .	.20	1.80	10 in. . . . . .60
			5.50

SAUCERS Clay.					
	Doz.	100		Doz.	100
5 in.....	\$0.60	\$3.75	9 in.....	\$2.00	\$13.50
6 in.....	.85	5 25	10 in.....	2 85	....
7 in.....	1.10	7.50	12 in.....	4.20	....
8 in.....	1.45	9.00			

### NEPONSET PAPER POTS.

Made of water-proof paper, light, clean and unbreakable.

Doz.	100	1000
2¼ in. . . . .	\$0.14	\$0.70
2½ in. . . . .	.17	.85
3 in. . . . .	.20	1.10
3½ in. . . . .	.25	1.25
4 in. . . . .	.28	1.45
5 in. . . . .	.35	2.15
6 in. . . . .	.40	2.75

### GARDEN LINE

**REEL.**—Each, \$1.10 (weight 2 lbs.).

**GARDEN LINE.** Each heavy braided. Per 96 feet, \$1.00; by mail, \$1.10.

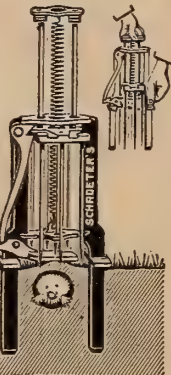
**GRAFTING WAX.**—Per ¼ lb. bar, 20c; ½ lb. bar, 35c; 1 lb. bar, 60c.

**GLOVES—Gardener's.** Per pair, \$1.85.

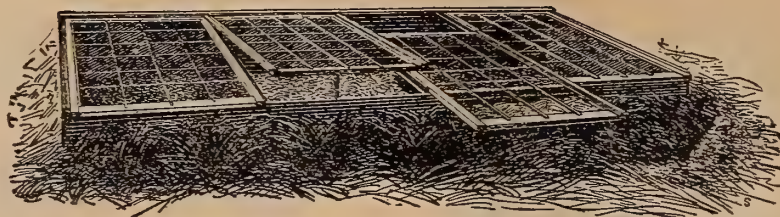
**DIBBER.** For transplanting vegetable plants; steel point. Each, 85c (weight 10 oz.).



PUTTY BULB



# Vaughan's Garden



## HOTBED SASH

**HOTBED SASH**—Made of the very finest material. Unglazed are not painted. Glazed, painted one coat. Single strength glass. Add 95c per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.

Unglazed, each, \$3.50; 3 for \$9.75; doz., \$39.00. Glazed, single strength glass, each, \$6.85; 3 for \$20.90; doz., \$79.20.

Size, 38 inch x 6 ft., holds 4 rows 8-inch glass.

Unglazed, each, \$3.85; 3 for \$11.30; doz., \$43.20.

Glazed, each, \$7.25; 3 for \$21.50; doz., \$84.00.

Prices include Crating. F. O. B. Chicago. Prices subject to change without notice.

## CEL-O-GLASS



Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard \$1.85; 25 ft. Roll 3 ft. wide, \$12.95.

**RED DEVIL GLASS CUTTER.** Each, 25c.

**GLASS CUTTER DIAMOND.** Each, \$5.00.

**GLAZING POINTS.**—Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

**Siebert's Improved.**—Easy to drive, and will not wedge or crack glass, 2 sizes, ¾ and ½-inch long. Price per lb., 70c; by mail, 80c.

## HOTBED MATS AND PLANT BED CLOTH



**Milo Water-proof Hotbed Mats.** A combination of heavy weight burlap felt and absorbent pulp, cemented together with a specially prepared water-proof compound absolutely impervious to rain, sleet and snow proof against frost; repellant to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, \$2.85; doz., \$28.80.

Size, 76x76 inches. Each, \$5.00; doz., \$51.00.

**IMPORTED REED HOTBED MATS.** Superior to straw mats; very durable. Size, 76x76 inches. Each, \$2.85; three for \$8.00; doz., \$30.00.

**PLANT BED CLOTH.** For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 25c; heavy, 34c; 60 to 100 yds., medium, per yd., 23c; heavy, 32c; not less than 20 yds. of a kind sold.

**HOE. Combination Draw and**

**Rake.** 4½-inch cut and 4 teeth. Each, \$1.15; 6½-inch cut and 6 teeth, \$1.25.

**English Scuffle or Push.** 6-inch, \$1.25; 8-inch, \$1.45. Without handle.



## KNIVES



**KNIVES.—Asparagus.** Straight Cut. Each, 45c; by mail, 50c.

**Asparagus.** Fishtail. Each, 50c; by mail, 55c.

**Budding.** Ivory handle. Each, \$2.75; by mail, \$2.80.

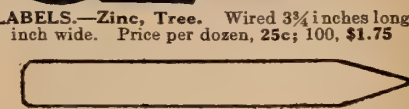
**Budding and Prop.** Two blades; white handle; brass caps. Each \$1.75; by mail, \$1.85.

**Pruning.** "The Vaughan," best of all. Each, \$1.25; by mail \$1.30.

**Pruning.** Stag handle, imported. Each, \$2.50; by mail, \$2.55.

**Potato Knife.** "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.

**LABELS.—Zinc, Tree.** Wired 3¼ inches long, ¾-inch wide. Price per dozen, 25c; 100, \$1.75.



**Wooden.** For pots, painted.

	100	1000		100	1000
4-in. . . . .	\$0.40	\$1.95	6-in. . . . .	\$0.50	\$ 2.95
5-in. . . . .	.45	2.45	12-in. . . . .	1.40	12.50

**Tree, Copper Wired.** 3½ in. 100, 50c; 1000, \$2.95.

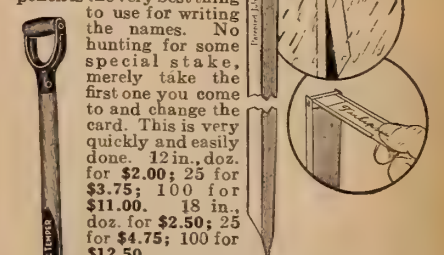


**Copper.** Indestructible. Small, 25c doz.; 100, \$1.75; large, 35c doz.; 100 for \$2.35.

**Cypress.**—For use outside, will last for years. Splendid for Perennial Plants, ¾-inch thick, 16x1¼ in. Doz., 70c; 100 for \$4.75; 18x2 in., doz., 85c; 100 for \$5.75.

## PEERLESS PLANT

**STAKES.** Non-rusting, made of copper, bearing galvanized metal, no acid painting or special link necessary. The ordinary lead pencil is the very best thing to use for writing the names. No hunting for some special stake, merely take the first one you come to and change the card. This is very quickly and easily done. 12 in., doz. for \$2.00; 25 for \$3.75; 100 for \$11.00. 18 in., doz. for \$2.50; 25 for \$4.75; 100 for \$12.50.



**Plant Markers Oval Top.** Made of heavy galvanized sheeting 9 inches long. Price, per doz., \$1.00; per 100, \$6.50. Special black ink for marking labels, oz. bottle, 95c.

**FORK.** Lightweight Spading. True temper quality, a handy fork for spading around shrubbery and perennials. Each, \$1.25.



# Tools and Requisites

**SHOVELS.**—Vaughan's. D handle, round point.  
Each.....\$1.75  
Vaughan. Long handle, round point. Each... 1.75  
Vaughan. D handle, square edge. Each.... 1.75  
**SPADES.**—Vaughan's. Special D or long handle,  
Each.....\$1.75

**SPRINKLERS.**—The Lenox.  
A splendid Sprayer for  
in or outdoor plants, rose  
bushes, etc. Throws fine  
spray under or over foliage  
of any plant or shrub, re-  
moving dust and insects.  
Each, 90c; by mail, \$1.00.



**Scolly's Rubber.** Best sprinkler for  
plants, ferns and flowers.  
Large....\$1.60 By mail..\$1.65

**SIEVES.** For  
sifting soil.  
18 inches in  
diameter, all  
sizes mesh from  
1/8 to 1/2 inch.  
Each, \$2.75.



**STAKES, WOODEN.** Painted green.  
Very useful for tying many plants.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.....	\$1.85	\$12.00
4 ft.....	2.40	15.60
5 ft.....	2.95	20.00

Light Grade (for smaller plants)	Per doz.	Per 100
1 1/2 ft.....	\$0.45 \$2.60	3 1/2 ft.....\$1.40 \$9.50
2 ft.....	.70 4.15	4 ft..... 1.75 11.00
2 1/2 ft.....	.95 4.65	5 ft..... 2.10 14.00
3 ft.....	1.20 7.50	

**STAKES—Cane.** 6 to 8 feet long.....\$2.25 \$10.50

**STAKES—Cane.** 9 to 11 feet long..... 2.75 19.00  
Prices on cane Stakes f. o. b. Chicago.  
Prices at New York 10 per cent. higher.

**STAKES—JAPANESE BAMBOO Green Painted.**  
100 1000 100 1000  
1 1/2 ft.....\$0.95 \$ 5.50 3 ft.....\$1.65 \$ 9.75  
2 ft..... 1.10 6.50 3 1/2 ft..... 1.80 10.50  
2 1/2 ft..... 1.35 8.00 4 ft..... 2.10 12.75  
Japanese Bamboo, not painted, 6 ft. 2.35 17.50

**STAKES—HEAVY TONKIN Natural Color.**  
Heavyweight bamboo, entire stake same weight;  
do not taper. Ideal for roses, dahlias, young trees,  
etc. Will last a lifetime.

Length	Diameter	Doz.	F.O.B. N.Y.	F.O.B. Chicago
4 ft.....	1/2 to 3/4 inch	100	\$0.75	\$4.00
4 ft.....	3/4 to 1 inch	100	1.10	6.00
5 ft.....	1/2 to 3/4 inch	100	1.25	7.00
6 ft.....	3/4 to 1 inch	100	1.35	8.00
8 ft.....	1/2 to 3/4 inch	100	1.50	9.00

**STAKES—Galvanized Wire.**  
No. 9 Wire Doz. 100 No. 8 Wire Doz. 100  
1 1/2 ft.....\$0.25 \$1.00 3 1/2 ft.....\$0.45 \$2.15  
2 ft..... .30 1.30 4 ft..... .55 2.50  
2 1/2 ft..... .35 1.55 5 ft..... .65 3.00  
3 ft..... .40 1.85 6 ft..... .75 3.60  
Prices wire stakes subject to change without notice.

**SYRINGES—English Brass.**



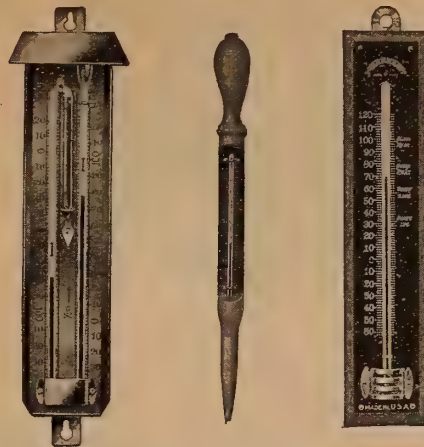
No.	Length	Diam.	Each
No. 0.	12 1/2 in.	15-16 in.	\$2.50
No. B.	13 1/2 in.	13-16 in.	3.00
No. C.	14 1/2 in.	15-16 in.	3.75
No. D.	15 1/2 in.	15 in.	4.50
No. 5.	Best for general Greenhouse use		7.00
No. 12.	14 in. long, 1 in. diam.		4.25
No. 11.	18 in. long, 1 stream, 2 sprays		6.00

**TUBS.—(Flower) Richmond.**

These are made of best seasoned  
White Virginia Cedar, securely  
bound with welded wire hoops.  
Painted green with durable oil  
paint. Prices F. O. B. Chicago or  
New York.

No.	Each	Four	No.	Each	Four
1.. 6x6	\$0.90	\$3.40	9.. 14x13	\$2.35	\$9.00
3.. 8x8	1.10	4.20	11.. 16x15	3.00	11.40
5.. 10x9	1.30	5.00	13.. 18x17	3.75	14.60
7.. 12x11	1.80	6.80	14.. 19x18	4.65	17.20

If handles are required add 35c per tub.  
First figure following number of tub gives diam-  
eter in inches at top of tub; second figure depth in  
inches.



**THERMOMETERS. Tin Case. 8-in. 50c.**  
Cabinet. Wood case, 75c; 3 for \$2.00.  
Hotbed. Brass point, wooden frame, \$2.75.  
Self-Registering. With magnet to set it, 8-inch,  
each, \$6.50; registers highest and lowest tempera-  
ture. Minimum for registering cold, \$2.50.  
Tin Case. Standard grade, tested. 8-inch, each,  
\$1.75.  
White Metal. With spirit tube, easy reading.  
Each, \$1.00.  
Thermometers shipped by Parcel Post at pur-  
chaser's risk only.

**MODEL EXTENSION CARNATION SUPPORTS**

Bases or bottom circle made of  
No. 12 galvanized wire, top circle of  
No. 13 galvanized wire; diameter of  
top circle 6 1/4 inches, bottom circle  
7 1/2 inches; total height of support ex-  
tended, 24 inches; shipping weight,  
two-ring supports, approximately 360  
pounds per thousand; three-ring sup-  
ports, approximately 410 pounds per  
thousand. Price, 2-ring supports, \$7.50  
per 100; \$70.00 per 1000; 3-ring sup-  
ports, \$8.50 per 100; \$80.00 per 1000.

Write for price in large quantities.



**TOMATO OR PEONY  
SUPPORTS.**—Made of heavy  
galvanized wire.

F. O. B. New-  
York. Each, 35c;  
doz., \$3.25.  
F. O. B. Chi-  
cago. Each, 40c;  
doz., \$3.50.



**TRELLIS.—Wood.**  
Fan-shape.

Each	3 For
18-inch..	\$0.65 \$1.60
24-inch..	.70 1.90
30-inch..	.95 2.60
36-inch..	1.35 3.60
3 1/2 ft., 21 in. wide..	1.45
4 ft., 27 in. wide....	2.00
5 ft., 32 in. wide....	2.40
6 ft., 38 in. wide....	2.75
7 ft., 42 in. wide....	3.25

**Veranda.**—18-inch wide,  
5 feet, \$2.50; 6 feet,  
\$2.65; 7 feet, \$3.00, 8  
feet, \$3.45, 9 feet, \$3.85;  
10 feet, \$4.00.



**WHEELBARROW—Globe Garden.** The best  
in design, material and workmanship for the class of  
trade who desire the best. 2 1/4-inch tire which  
permits easy wheeling of heavy loads. Price, \$7.50.

**VASE.—Cemetery.**—Earthen, green, 10-inch  
sharp point, each, 50c, three for \$1.35, shipped by  
Parcel Post at purchaser's risk only.

**Galvanized.** For Cut-Flow-  
ers. Unbreakable.  
10 inches deep, 4 1/4 in.  
diam., each, 65c.  
12 inches deep, 6 1/2 in.  
diam., each, 90c.  
15 inches deep, 6 1/2 in.  
diam., each, \$1.10.  
18 in. deep 7 1/2 in. diam.  
each, \$1.45.

**Tin.** Green  
painted.  
Each, 20c;  
by mail, 30c;  
Doz., \$2.25,  
postpaid.



Galvanized  
Vase



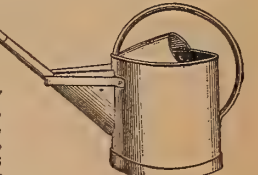
Tin  
Painted



Green Cemetery  
Vase

**Watering  
Pots**

**American.** Heavy  
galvanized round can,  
two copper-faced roses,  
long spout; 4-quart,  
\$4.75; 6-quart, \$5.20;  
8-quart, \$5.90; 10-  
quart, \$6.25; 12-quart,  
\$6.60.



Spout is cut off in illustration  
to reduce space.

**French Style.** Oval, otherwise same make as above.  
6-quart, \$5.85; 8-quart, \$6.20; 10-quart, \$6.60;  
12-quart, \$7.20.

**Galvanized Watering Pots**

Box Spout Style, with detachable Rose, which can  
be quickly cleaned. 4 qt., 95c; 6 qt., \$1.10; 8 qt.,  
\$1.20; 10 qt., \$1.35; 12 qt., \$1.50.



Dandelion Digger



Eureka Weeder



Lang's Weeder



Excelsior Weeder

**DANDELION DIGGER.** Each, 45c; postpaid, 55c.

**Eureka.** Best hand weeder for loosening soil around  
plants. Short handled, 55c; long handled, 65c.  
(Mailing weight, 8 oz.)

**Excelsior.** Each, 15c. (Mailing wt., 4 oz.)

**Lang's.** We find this by actual trial a real labor  
saver. Each, 20c. (Mailing weight, 4 oz.)

**Norcross Weeder.** Each, 50c. Mailing 10c extra.



**The Wonder Weeder.** For  
Dandelion, Plantain, etc., in  
lawns. It gets the weeds, fast, clean  
and deep. It absolutely will not break  
up the sod. Just two simple move-  
ments and your weed is out. No backache, soiled  
hands or clothing. Each, 85c. If by mail, add 25c.

**TROWELS.—Vaughan's Steel.**

One solid piece of steel and will  
outwear all others.

Each, 95c. 3 for \$2.75. Postpaid, each, \$1.00.

**Ordinary Garden.** 6-inch, each, 15c; prepaid, 20c.

**English Steel.** 6-inch, each, 35c; prepaid, 40c.

**Transplanting Trowel.** Can be used either as a  
transplanter, dibber or weed digger, blade being  
deeply curved. 6-inch, 20c; postpaid, 25c.



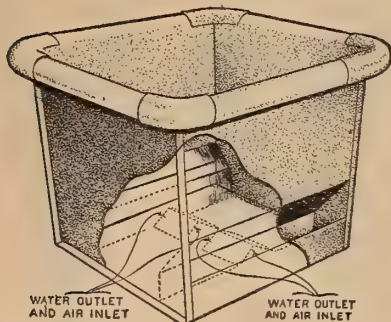
**FORK AND TROWEL.** Imported English  
Marples. Made of the best quality steel, well-  
constructed tools, handy for use in camp and home-  
gardens; none better, short handle, per set, \$1.45;  
long handle, per set, \$1.75.



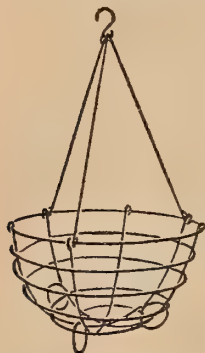
# Miscellaneous Horticultural Supplies

## SUCCESS SELF-WATERING

### HANGING BASKETS



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. A water pocket extends the full length of basket, from which tube leads into the basket itself. Finished in an attractive shade of green. "Never leak a drop" may be hung on chains or set on small table. Prices do not include chains.



No.	Depth	Square	Price
10..	7½-in.	10-in.	\$2.35
12..	8½-in.	12-in.	2.75
14..	10¼-in.	14-in.	3.25

**BASKETS—Wire, Hanging.** Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c. 14-in., 45c; 16-in., 65c.

**BOXES—Cut Flower.**—Vaughan's "Green" Grade green lined, moisture-proof board. Very popular. On orders for less than 100 boxes of a size add 10%.

Size	Weight	Per	Size	Weight	Per
inches	per 100	100	inches	per 100	100
3 x18x5	40 lb.	\$ 6.00	3½x30x5	75 lb.	\$ 9.00
3 x21x5	45 lb.	6.50	4 x24x8	85 lb.	10.50
3½x24x5	60 lb.	7.50	5 x28x8	105 lb.	12.50
3½x21x7	65 lb.	8.50	5 x36x8	135 lb.	17.00
6 x40x10	170 lb.	23.00			

### The Little Wonder No-Drip Hanging Basket

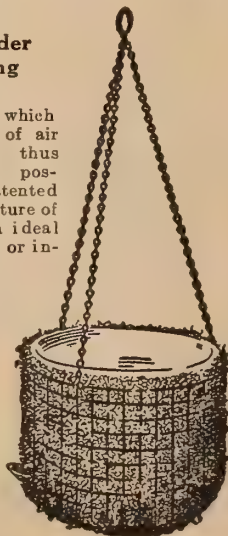
A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

Price, 5-inch	Each
5-inch	\$1.10
6-inch	1.35
7-inch	1.65
9-inch	2.25
14-inch	3.00

### "SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8-in. deep, 11-in. wide.	8-in. deep, 12-in. wide.
No.	No.
Length	Length
Price	Price
23.....42-in.....\$5.75	25.....60-in.....\$7.75
24.....48-in.....6.50	



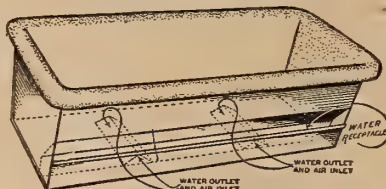
## "SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum, green, pink, ivory, etc.

Model	Height	Width	Length	Price
Model A	8 inches	8 inches	23 inches	\$3.00
Model B	8 inches	9½ inches	29 inches	4.00
Model C	8 inches	9½ inches	35 inches	4.50
Model D	8 inches	9½ inches	41 inches	5.00
Model E	8 inches	12 inches	12 inches	3.00
Model F	12 inches	12 inches	12 inches	3.50

## "SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	\$1.95
30-in.	8½-in.	6¼-in.	2.40
36-in.	8½-in.	6¼-in.	3.25
42-in.	8½-in.	6¼-in.	4.00

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants.

We can please you and save you money.



**SEED SOWER.** Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.00.

### CAHOON SEEDER

It will seed evenly five to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, \$4.50.



## TOOLS FOR PRUNING

### SAWS, DOUBLE EDGED PRUNING.

16-inch, \$1.75; 18-inch, \$1.95; 20-inch, \$2.10.



**VAUGHAN'S PERFECTION PRUNING.** Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, \$2.50; 3 for \$7.00. Extra blades, 25c.



**CALIFORNIA POLE TRIMMER.** Curved draw-cut saw with hook for removing branches. Each, \$2.50.



**FORESTER PRUNING SAW.** Makes heavy pruning easy and saves time. 26 inches long. Each, \$2.00.



**PRUNING.** 6-inch, nickel-plated, \$1.50; 9-inch, \$1.85. Extra springs, each, 15c.



**LEVIN'S PRUNING.** One of the best pruning shears made. Each, 85c.

**HENCKELS' TWIN BRAND IMPORTED PRUNING SHEARS** are known the world over as the best. Have given satisfaction to users for years. With ratchet, 7½-inch, each, \$3.00; 8½-inch, each, \$3.25; 9½-inch, each, \$4.00.

**HENCKELS' IMPROVED CALIFORNIA Pattern,** with brass springs, 8½-inch. Each, \$3.75.



**CLYDE DRAW-CUT PRUNER.** Extra strong, long handle, \$3.75.



**BUCKEYE PRUNING.** Long handle. Each, \$2.00; large size, heavier, \$2.50.

**TREE PRUNERS.** Waters'. Length of pole, 6 ft., \$1.75; 8 ft., \$2.00; 10 ft., \$2.15; 12 ft., \$2.35. Extra knives, each, 25c.



**No. 4, JOINTED Tree Pruner.** The cutting head is made truss-shape from strong high grade rolled steel. The pole is made of 4-ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8-ft. or 12-ft. pruner. Price, complete, \$6.00.



**Explanation of Table Below.** Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

[illegible]



L. H. VAUGHAN, PRES.

CABLE ADDRESS  
VAUGHAN. CHICAGO  
CAROTIDA. NEW YORKGREENHOUSES AND NURSERIES,  
WESTERN SPRINGS, ILL.

# Vaughan's Seed Store

GENERAL OFFICES AND WAREHOUSES  
601-609 WEST JACKSON BLVD., CHICAGO

CARL CROPP, V. PRES.

NEW YORK,  
47-49 BARCLAY ST.CHICAGO LOOP STORE  
10-12 W. RANDOLPH ST.

## How to Order

**Early Orders** Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

**Order Sheets** Use the order sheets accompanying this catalog. One for Seeds, Bulbs and Garden Sundries, the other for Trees, Plants and other Nursery Stock. Please fill in all particulars carefully and distinctly with your Zone Number and keep a copy of your order.

**Seed and Bulb Orders** should have the quantity required written distinctly in the column provided for same with prices.

**Plant and Tree Orders** should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D.

**C. O. D. Orders.** Owing to the extra cost of collecting we will not fill any C. O. D. mail order for less than \$5.00. We do not prepay any C. O. D. orders and will not ship plants, trees, shrubs or other perishable goods C. O. D.

**Order Trees, Shrubs and Hardy Vines,** if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

**Parcel Post Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

**PLEASE MARK ZONE NUMBER** in the space provided for same on the top right-hand corner of all orders which you send to us.

**Express Shipments** General orders for garden seeds, where peas, beans and corn form a large proportion, are best sent this way. Orders over FIVE POUNDS (5 lbs.) weight going to 5th Zone and beyond, will travel cheaper by express than by parcel post.

**Send Money** by New York or Chicago draft, registered letters or post-office or express money orders. Do not send loose currency or stamps in letter, unless registered. When enclosing postage stamps give us fives, tens or fifteens. Registered letters can be sent from any post-office, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." (Mark your Zone Number on order.)

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

## Free Delivery

We prepay mail or express (our option) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound, and pound; also two-pound lots of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned.

**PREPAID for FIVE CENTS** (5 cts.) per pound additional. This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

Orders for shrubs amounting to \$8.00 or more, and mixed orders of trees and shrubs amounting to \$10.00 within the limits of Chicago, Austin, Oak Park, Maywood, Berwyn, Riverside, Brookfield, LaGrange, Western Springs, Hinsdale, Cicero, River Forest and Forest Park.

On all orders of Lawn Grass Seeds amounting to \$2.00 or over we prepay transportation within 300 miles of Chicago or New York.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

**BY EXPRESS**—We advise for safety against injury, to use express shipments on parcels weighing over 15 pounds or on all breakable ware.

Daily filling of seed orders is the Vaughan Rule.

## Tune in on Our Radio Garden Club

Beginning March 7, and continuing until May 30, 1929, we will conduct a radio garden club programme each Thursday at 11.45 a.m., over Station W.M.A.Q., Chicago, the Chicago Daily News Station, wave length 447.5, kilocycles 670. Questions will be answered, and gardening information of timely and valuable nature will be given. It will be worth while to everyone interested in gardening.

TUNE IN!

**Mistakes** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

## Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

**Our Terms** Customers not having an account are requested to furnish reference or send cash with order. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock and no order less than \$5.00 are sent C. O. D.

## Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses,

disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if we are immediately advised in case of any failure.

We wish it understood that all our stocks are sold under the following conditions:

**We Do Not Warrant** in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

## Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

### DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.  
within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	7c.	1c.
Second Zone within 50 to 150 miles of either	7c.	1c.
Third Zone within 150 to 300 miles	8c.	2c.
(See our prepaid offer above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles	8c.	4c.
Fifth Zone within 600 to 1000 miles	9c.	6c.
Sixth Zone within 1000 to 1400 miles	10c.	8c.
Seventh Zone within 1400 to 1800 miles	12c.	10c.
Eighth Zone all over 1800 miles and Canada	13c.	12c.

**NOTE.**—Limit of weight for delivery within the first, second and third zones, 70 pounds; to Canada 11 lbs.; to all other zones 50 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. (Mark your Zone Number on order.)



**601 W. Jackson Blvd., CHICAGO**

(OVER)



### Trees, Plants and Nursery Stock—Continued

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DOMESTIC PARCEL POST RATES		First	Each	Total Weight,	
On Seeds, Plants, Bulbs, Roots, Books, Tools, Etc., within the U. S. and Possessions.		Pound or Fraction	Additional Pound or Fraction		
First Zone	Chicago or New York or 50 miles thereof	7c	1c	Amount for Postage	\$
Second Zone	within 50 to 150 miles of either	7c	1c		
Third Zone	within 150 to 300 miles	8c	2c		
Fourth Zone	within 300 to 600 miles	8c	4c		
Fifth Zone	within 600 to 1000 miles	9c	6c		
Sixth Zone	within 1000 to 1400 miles	10c	8c		
Seventh Zone	within 1400 to 1800 miles	12c	10c		
Eighth Zone	all over 1800 miles	13c	12c		
Grand Total,					

Filled by..... Checked by..... Packed by.....

Shipped by.....Style of Package.....

Date.....Book.....Weight.....





Schwaben

Each, \$0.10  
Doz., .90  
100, 6.00

Mrs. Pendleton

Each, \$0.10  
Doz., .90  
100, 6.00

Baron J. Hulot

Each, \$0.15  
Doz., 1.25  
100, 8.00

War

Each, \$0.15  
Doz., 1.25  
100, 8.00

Vaughan White

Each, \$ 0.40  
Doz., 4.50  
100, 35.00

Panama

Each, \$0.10  
Doz., .90  
100, 6.00

One each of the varieties illustrated above ( 7 bulbs), postpaid, \$1.00  
Three each of the varieties illustrated above (21 bulbs), postpaid, 2.50  
Six each of the varieties illustrated above (42 bulbs), postpaid, 4.75  
Twelve each of the varieties illustrated above (84 bulbs), postpaid, 8.00

Mrs. Francis King

Each, \$0.10  
Doz., .90  
100, 6.00

# Vaughan's Rainbow Gladioli

## A RAINBOW GARDEN OF GLADIOLI FOR \$1.00

A DOLLAR never bought more of beauty than our Special Offer of 30 Flowering Size Bulbs of Vaughan's Glorious Gladioli, including not less than Five Varieties for \$1.00. Rarely are flowers of the highest merit the most easily grown and surest of success. But such is the case with Gladioli. If there is room for but a single flower in the garden it should be this.

30 BULBS, Flowering Size, not less than 5 Varieties, postpaid, for \$1.00.

### Our Famous DeLuxe "Rainbow" Mixture

#### LARGE BULBS

This name has been chosen by us for our highest quality blendings of the many named varieties which we grow including French novelties with other choice varieties of which we have only moderate quantities. This is the best mixture which our collection permits, and we believe unexcelled by any obtainable elsewhere. Each lot whether in doz., 50s or 100s of all Vaughan's Mixtures, is put up separately to insure correct proportions.

Price, 13 Bulbs, \$1.00, postpaid; by express, not prepaid, 50 for \$3.00; 100 for \$5.50; 250 for \$12.50; 500 for \$23.00.

**SPECIAL OFFER No. 100B.** Two each of the following six varieties sent postpaid for 50c: Mrs. Francis King, E. Kirtland, Chicago White, Schwaben, Le Marechal Foch, 101 Blue. A full range of fine colors.

**SPECIAL OFFER No. 200B.** Two each of the following six varieties sent postpaid for \$1.00: Peace, Chicago Salmon, Chicago Red, Alice Tiplady, Schwaben, Prince of Wales.

**SPECIAL OFFER No. 300B.** Two each of the following six varieties sent postpaid for \$1.25: Joe Coleman, 1910 Rose, Primulinus Maiden's Blush, Mrs. L. S. Hubbard, Wilbrink, Anna Eberius.

**SPECIAL OFFER No. 400B.** Two each of the following six varieties sent postpaid for \$1.50: Clara Adams, Mystic, E. J. Shaylor, E. Kirtland, Herada, Crescent Queen.

**SPECIAL OFFER No. 500B.** Two each of the following six varieties sent postpaid for \$2.00: Black Pansy, Detroit, Peace, Gold, Baron J. Hulot, Orange Queen.

### Vaughan's "Standard" Mixture

We have thrown away all the common and cheap leftovers which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 45c, postpaid; by express, not prepaid, 50 for \$1.50; 100 for \$2.75; 250 for \$6.50; 500 for \$12.00; per 1,000, \$23.00.

Grown on our own Illinois and Michigan Farms. (See Pages 92 to 95 for complete list.)





Sovereign  
Each \$ 0.25  
Doz. 2.50  
100 18.00



Improved  
Schwaben  
Each \$ 0.20  
Doz. 2.00  
100 15.00



Dr.  
Bennett  
Ea. \$ 0.25  
Doz. 2.50  
100 18.00



L. W.  
Wheeler  
Ea. \$ 0.25  
Doz. 2.50  
100 18.00



Golden Measure  
Each \$ 0.20  
Dozen 2.00  
100 15.00



Sphinx  
Each \$ 0.15  
Dozen 1.50  
100 10.00

### COVER COLLECTION OF VAUGHAN'S GLORIOUS GLADIOLI

Sixteen outstanding varieties, newest and finest in the world, illustrated on this page:

1 each (16 bulbs)  
postpaid - \$ 5.00  
3 each (48 bulbs)  
postpaid - \$12.50  
6 each (96 bulbs) by  
express \$20.00  
12 each (192 bulbs)  
by express \$35.00



Elsie McCormick  
Each \$ 0.35  
Doz. 3.50  
100 25.00



Lansing  
Each \$ 0.50  
Dozen 5.00  
100 35.00



Improved  
Martha  
Washington  
Each \$0.50  
Dozen 5.00  
100 35.00



Ionia  
Each \$ 0.25  
Dozen 2.50  
100 18.00



Kal-  
amazoo  
Ea. \$ 0.25  
Doz. 2.50  
100 18.00



Orange  
Queen  
Ea. \$ 0.20  
Doz. 2.00  
100 15.00



Capt.  
Boynton  
Each \$ 0.20  
Dozen 2.00  
100 15.00



Edith Mason  
Each \$ 1.00  
Doz. 7.50  
100 50.00



Virginal  
Each \$ 0.50  
Dozen 5.00  
100 35.00



Mrs. Julius  
Rosenwald  
Each \$ 0.35  
Doz. 3.50  
100 25.00